

Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research



50 million people suffer from a TBI worldwide every year—over 80% in developing countries



Annual global costs of care and consequences of TBI are up to US\$400 billion



In developed countries, TBI increasingly affects the elderly and children under 4 years old



57 000 TBI-related deaths and 1·5 million hospitalisations occur in the EU-28 every year

RECOMMENDATIONS TO APPLY EXISTING KNOWLEDGE TO IMPROVE PREVENTION AND CLINICAL CARE

1



Urgently implement known effective strategies for prevention of TBI

2



Immediately remove from play any participants in sport with a suspected concussion

3



Develop and implement policies to improve timely access to acute and postacute care

4



Implement evidence-based guidelines on medical, surgical, and rehabilitation interventions

5



Tailor clinical care recommendations to local circumstances and resource availability

RECOMMENDATIONS TO DEVELOP A COMMON LANGUAGE FOR EPIDEMIOLOGY AND BENCHMARKING CARE

6



Establish an international consensus for standardised epidemiological monitoring

7



Develop a set of quality indicators that includes structure, process, and outcome metrics

RECOMMENDATIONS TO ADVANCE KNOWLEDGE, CLINICAL CARE, AND OUTCOMES THROUGH RESEARCH

8



Support research to improve precision of therapy through better diagnosis and disease characterisation

9



Develop and validate multidimensional outcome constructs that quantify the overall burden of disability

10



Promote research on links between TBI and increased risk of later neurological disease

11



Use comparative effectiveness research as an adjunct to randomised trials to identify best practice

12



Increase global collaborations and establish national and international biorepositories and databases