

Supplementary Material

Consensus on a jockey's injury prevention framework for video analysis: a modified Delphi study

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Appendix 1:

Horse Racing Video Analysis Consensus Group

1. Dr Jerry Hill - Chief Medical Advisor, British Horseracing Authority, London, England
2. Mr Richard Perham - Senior Jockey Coach, British Racing School, Newmarket, England
3. Mrs Claire Williams - Executive Director, British Equestrian Trade Association, Wetherby, England
4. Ms Lisa Hancock - Chief Executive, The Injured Jockeys Fund, Newmarket, England
5. Dr Anna Louise McKinnon - Head of Clinical Services, The Injured Jockeys Fund, Newmarket, England
6. Mr Paul Struthers - Former Chief Executive, The Professional Jockeys Association, Newbury, England
7. Mr Jason Harvey - Consultant Spinal Surgeon, Fortius Clinic, London, England
8. Prof. Michael Gilchrist - Medical Engineering, University College Dublin, Dublin, Ireland
9. Ms Kerry Kuznik - Medical Assistant and Jockey Athlete Research Coordinator, British Horseracing Authority, London, England
10. Mr Kevin Jones - Professional Jump Jockey, England
11. Miss Page Fuller - Professional Jump Jockey, England
12. Mr Jamie Moore - Professional Jump Jockey, England
13. Miss Bryony Frost - Professional Jump Jockey, England
14. Ms Hollie Doyle - Professional Flat Jockey, England
15. Mr Jim Crowley - Professional Flat Jockey, England
16. Mr David Egan - Professional Flat Jockey, England
17. Mr Tom Marquand - Professional Flat Jockey, England

Appendix 2:

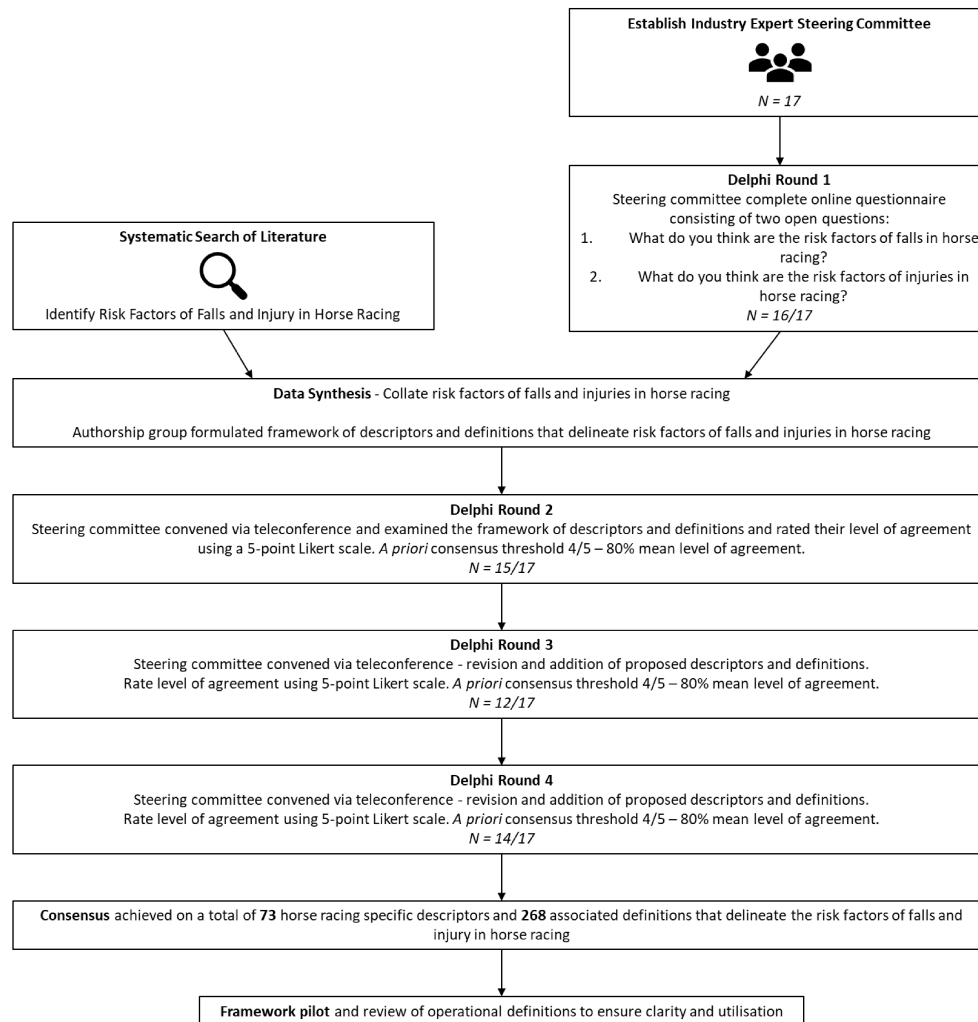


Figure 1: Flow chart of Delphi process

Appendix 3:

Table 1: Table showing analysis phase description

Analysis Phase	Analysis Phase Description
Situational	Environmental conditions prior to / under which the inciting event occurred. Including, location, surface type, obstacles (where relevant), competitive scenario, jockey, horse and opponent behaviour
Gross Fall	Obvious characteristics of fall including type of inciting event e.g., fall or unseating
Flight Phase	Specific biomechanical characteristics of the flight / fall phase prior to jockey sustaining impact
Contact Occurrence	Sequence and characteristics of impacts sustained during fall / inciting event
Axial Skeleton	Specific characteristics involving the axial skeleton during the fall / inciting event
Subsequent Impact / Recovery	Jockey behaviour and characteristics of any subsequent impact sustained and the recovery immediately following a fall / inciting event

Appendix 4:

Table 2: Dates and number of attendees per Delphi round

Delphi Round	Date	Number Invited	Number of Attendees
1	25/09/2020	17	16
2	05/11/2020	17	15
3	17/12/2020	17	12
4	02/02/2021	17	14

Appendix 5:

Table 3: Number of descriptors and mean level of agreement for each analysis phase

Analysis Phase / Subsection	Number of Descriptors	Number of Definitions	Mean Level of Agreement
Situational	21	77	4.5 (3.8 – 5)
Gross Fall	10	33	4.7 (4.2 – 5)
Flight Phase	9	27	4.7 (4.3 – 4.9)
Contact Occurrence	7	29	4.7 (4.3 – 5)
Axial Skeleton	13	59	4.8 (4.3 – 5)
Subsequent Impact	13	43	4.8 (4.6 – 5)