

Table S1: Search Strategy for Depression

EMBASE	MEDLINE	PUBMED	COCHRANE	PSYCHINFO
Strategy: 1. exp inflammation/ or inflammat*.mp. 2. exp cytokine/ or cytokine*.mp. 3. exp neuroinflammation/ or neuroinflammat*.mp. 4. 1 or 2 or 3 5. mtbi.mp. 6. exp brain concussion/ or exp concussion/ or concussion.mp. 7. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 8. 5 or 6 or 7 9. exp depression/ or depression.mp. or exp long term depression/ or exp major depression/ 10. 4 and 8 and 9 11. limit 11 to (human and english language).	Strategy: 1. exp inflammation/ or inflammat*.mp. 2. exp cytokine/ or cytokine*.mp. 3. exp neuroinflammation/ or neuroinflammat*.mp. 4. 1 or 2 or 3 5. mtbi.mp. 6. exp brain concussion/ or exp concussion/ or concussion.mp. 7. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 8. 5 or 6 or 7 9. exp depression/ or depression.mp. or exp long term depression/ or exp major depression/ 10. 4 and 8 and 9 11. limit 11 to (human and english language).	Strategy: ((depression) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*)) AND ((inflammat*) OR (cytokine*) OR (neuroinflammat*)))	Strategy: ((depression) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*)) AND ((inflammat*) OR (cytokine*) OR (neuroinflammat*)))	Strategy: 1. exp inflammation/ or inflammat*.mp. 2. exp cytokine/ or cytokine*.mp. 3. exp neuroinflammation/ or neuroinflammat*.mp. 4. 1 or 2 or 3 5. mtbi.mp. 6. exp brain concussion/ or exp concussion/ or concussion.mp. 7. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 8. 5 or 6 or 7 9. exp depression/ or depression.mp. or exp long term depression/ or exp major depression/ 10. 4 and 8 and 9 11. limit 11 to (human and english language).

Table S2: Search Strategy for PTSD

EMBASE	MEDLINE	PUBMED	COCHRANE	PSYCHINFO
Strategy:	Strategy:	Strategy:	Strategy:	Strategy:
12. exp inflammation/ or inflammat*.mp.	12. exp inflammation/ or inflammat*.mp.	(((PTSD) OR (posttraumatic stress disorder)) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*))) AND	(((PTSD) OR (posttraumatic stress disorder)) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*))) AND	12. exp inflammation/ or inflammat*.mp.
13. exp cytokine/ or cytokine*.mp.	13. exp cytokine/ or cytokine*.mp.	((inflamm*) OR (cytokine*) OR (neuroinflamm*))	((inflamm*) OR (cytokine*) OR (neuroinflamm*))	13. exp cytokine/ or cytokine*.mp.
14. exp neuroinflammation/ or neuroinflammat*.mp.	14. exp neuroinflammation/ or neuroinflammat*.mp.			14. exp neuroinflammation/ or neuroinflammat*.mp.
15. 1 or 2 or 3	15. 1 or 2 or 3			15. 1 or 2 or 3
16. mtbi.mp.	16. mtbi.mp.			16. mtbi.mp.
17. exp brain concussion/ or exp concussion/ or concussion.mp.	17. exp brain concussion/ or exp concussion/ or concussion.mp.			17. exp brain concussion/ or exp concussion/ or concussion.mp.
18. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp.	18. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp.			18. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp.
19. 5 or 6 or 7	19. 5 or 6 or 7			19. 5 or 6 or 7
20. ptsd.mp. or exp posttraumatic stress disorder	20. ptsd.mp. or exp posttraumatic stress disorder			20. ptsd.mp. or exp posttraumatic stress disorder
21. 4 and 8 and 9	21. 4 and 8 and 9			21. 4 and 8 and 9
22. limit 11 to (human and english language).	22. limit 11 to (human and english language).			22. limit 11 to (human and english language).
	23.			23.

Table S3: Search Strategy for Anxiety

EMBASE	MEDLINE	PUBMED	COCHRANE	PSYCHINFO
Strategy: 23. exp inflammation/ or inflammat*.mp. 24. exp cytokine/ or cytokine*.mp. 25. exp neuroinflammation/ or neuroinflammat*.mp. 26. 1 or 2 or 3 27. mtbi.mp. 28. exp brain concussion/ or exp concussion/ or concussion.mp. 29. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 30. 5 or 6 or 7 31. anxiety.mp. or exp anxiety disorder/ or exp anxiety/ 32. 4 and 8 and 9 33. limit 11 to (human and english language).	Strategy: 24. exp inflammation/ or inflammat*.mp. 25. exp cytokine/ or cytokine*.mp. 26. exp neuroinflammation/ or neuroinflammat*.mp. 27. 1 or 2 or 3 28. mtbi.mp. 29. exp brain concussion/ or exp concussion/ or concussion.mp. 30. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 31. 5 or 6 or 7 32. anxiety.mp. or exp anxiety disorder/ or exp anxiety/ 33. 4 and 8 and 9 34. limit 11 to (human and english language).	Strategy: (((anxiety) OR (anxiety disorder)) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*))) AND ((inflammat*) OR (cytokine*) OR (neuroinflammat*))	Strategy: (((anxiety) OR (anxiety disorder)) AND ((mtbi) OR (concussion) OR (brain concussion) OR (mild traumatic brain injur*))) AND ((inflammat*) OR (cytokine*) OR (neuroinflammat*))	Strategy: 24. exp inflammation/ or inflammat*.mp. 25. exp cytokine/ or cytokine*.mp. 26. exp neuroinflammation/ or neuroinflammat*.mp. 27. 1 or 2 or 3 28. mtbi.mp. 29. exp brain concussion/ or exp concussion/ or concussion.mp. 30. exp mild traumatic brain injury/ or mild traumatic brain injur*.mp. 31. 5 or 6 or 7 32. anxiety.mp. or exp anxiety disorder/ or exp anxiety/ 33. 4 and 8 and 9 34. limit 11 to (human and english language).