**Supplemental Digital Content 1.** Search strings for the systematic review

**PubMed – 12/17/18 – 394 Results**

 ((((("sex"[MeSH] OR "sex"[TW] OR "gender identity"[MeSH] OR "gender"[TW] OR "sex differences"[TW]))) AND ("brain concussion"[MeSH] OR "concussion"[TW] OR “Concussions”[TW] OR "traumatic brain injury"[TW])) AND ("sports"[MeSH] OR "sports"[TW] OR "sport"[TW] OR “athletes”[TW])) AND ("incidence"[MeSH] OR "incidence"[TW] OR "epidemiology"[MeSH] OR "epidemiology"[TW] OR "symptoms"[TW] OR “injury rate”[TW])

**EMBASE – 12/17/18 – 560 results**

'sex'/exp OR
sex:ti,ab,de,tn OR
'gender identity'/exp OR
gender:ti,ab,de,tn OR
"sex differences":ti,ab,de,tn

 AND

'brain concussion'/exp OR
concussion:ti,ab,de,tn OR
Concussions:ti,ab,de,tn OR
"traumatic brain injury":ti,ab,de,tn

AND

'sport'/exp OR
sports:ti,ab,de,tn OR
sport:ti,ab,de,tn OR
athletes:ti,ab,de,tn

AND

'incidence'/exp OR
incidence:ti,ab,de,tn OR
'epidemiology'/exp OR
epidemiology:ti,ab,de,tn OR
symptoms:ti,ab,de,tn OR
"injury rate":ti,ab,de,tn

AND [2018-2018]/py

**COCHRANE – 12/17/18 – 7 results**

[mh sex] OR
sex:ti,ab,kw OR
[mh "gender identity"] OR
gender:ti,ab,kw OR
"sex differences":ti,ab,kw

AND

[mh "brain concussion"] OR
concussion:ti,ab,kw OR
Concussions:ti,ab,kw OR
"traumatic brain injury":ti,ab,kw

AND

[mh sports] OR
sports:ti,ab,kw OR
sport:ti,ab,kw OR
athletes:ti,ab,kw

AND

[mh incidence] OR
incidence:ti,ab,kw OR
[mh epidemiology] OR
epidemiology:ti,ab,kw OR
symptoms:ti,ab,kw OR
"injury rate":ti,ab,kw