

**Appendix 1** Search history

**Database:** Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations,  
Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

**Date:** 20.02.2018

**Results:** 1657

#	Searches	Results
1	brain injuries/	49810
2	brain hemorrhage, traumatic/	201
3	brain stem hemorrhage, traumatic/	40
4	cerebral hemorrhage, traumatic/	318
5	brain injuries, diffuse/	14
6	diffuse axonal injury/	624
7	brain injuries, traumatic/	1974
8	brain concussion/	6401
9	brain contusion/	29
10	chronic traumatic encephalopathy/	56
11	brain injury, chronic/	715
12	epilepsy, post-traumatic/	1148
13	craniocerebral trauma/	21099
14	coma, post-head injury/	118
15	head injuries, penetrating/	870
16	stroke/	81127
17	brain infarction/	4024
18	brain stem infarctions/	667
19	lateral medullary syndrome/	679
20	cerebral infarction/	20824
21	infarction, anterior cerebral artery/	230
22	infarction, middle cerebral artery/	7355
23	infarction, posterior cerebral artery/	256
24	stroke, lacunar/	405

25	((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) adj2 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or traumatic encephalopath* or brain laceration* or concussion* or contusion* or ((craniocerebral or cerebrum) adj2 lesion*) or stroke* or apoplexy or ((brain vascular or cerebrovascular) adj2 accident*) or CVA or CVAs or ((brain or cerebral) adj2 infarction*).tw,kw,kf.	337332
26	or/1-25	384427
27	Return to work/	1547
28	Workplace/	18609
29	Employment, Supported/	1054
30	Rehabilitation, Vocational/	9133
31	((return* or back) adj4 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) adj2 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or stay at work or work role functioning or stably employed or natural support*).tw,kw,kf.	31078
32	or/27-31	55423
33	26 and 32	1657

**Database:** Embase via Ovid 1974 to 2018 February 16

**Date:** 20.02.2018

**Results:** 2842

#	Searches	Results
1	brain injury/	87395
2	acquired brain injury/	1277
3	brain concussion/	4932
4	brain contusion/	3253
5	brain damage/	28286
6	brain stem injury/	2164
7	cerebellum injury/	1719
8	diffuse brain injury/	43
9	diffuse axonal injury/	1552
10	postconcussion syndrome/	1557
11	traumatic brain injury/	37488

12	chronic traumatic encephalopathy/	368
13	head injury/	45552
14	cerebrovascular accident/	158280
15	cardioembolic stroke/	2081
16	four vessel occlusion-induced stroke/	11
17	lacunar stroke/	2338
18	brain infarction/	46002
19	brain infarction size/	6180
20	brain stem infarction/	1251
21	cerebellum infarction/	1455
22	(((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) adj2 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or traumatic encephalopath* or brain laceration* or concussion* or contusion* or ((craniocerebral or cerebrum) adj2 lesion*) or stroke* or apoplexy or ((brain vascular or cerebrovascular) adj2 accident*) or CVA or CVAs or ((brain or cerebral) adj2 infarction*)).tw,kw.	503877
23	or/1-22	642979
24	return to work/	3908
25	work resumption/	3469
26	workplace/	33735
27	supported employment/	160
28	vocational rehabilitation/	9317
29	job accommodation/	253
30	(((return* or back) adj4 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) adj2 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or stay at work or work role functioning or stably employed or natural support*).tw,kw.	39185
31	or/24-30	78827
32	23 and 31	2842

**Database:** PsycINFO via Ovid 1806 to February Week 2 2018

**Date:** 20.02.2018

**Results:** 947

#	Searches	Results
1	brain damage/	17361
2	periventricular leukomalacia/	98
3	traumatic brain injury/	15825
4	brain concussion/	1627
5	head injuries/	4334
6	cerebral hemorrhage/	1835
7	cerebrovascular accidents/	18813
8	(((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) adj2 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or traumatic encephalopath* or brain laceration* or concussion* or contusion* or ((craniocerebral or cerebrum) adj2 lesion*) or stroke* or apoplexy or ((brain vascular or cerebrovascular) adj2 accident*) or CVA or CVAs or ((brain or cerebral) adj2 infarction*)).tw.	64623
9	or/1-8	78216
10	reemployment/	1263
11	workplace intervention/	319
12	supported employment/	1249
13	vocational rehabilitation/	5737
14	work adjustment training/ or occupational adjustment/	1825
15	occupational tenure/	834
16	(((return* or back) adj4 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) adj2 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or stay at work or work role functioning or stably employed or natural support*)).tw.	22319
17	or/10-16	26988
18	9 and 17	947

**Database:** SocIndex via Ebscohost

**Date:** 20.02.2018

**Results:** 51

#	Query	Results
S1	DE "STROKE"	300
S2	DE "CEREBROVASCULAR disease"	492
S3	TI(((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or "traumatic encephalopath*" or "brain laceration*" or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or ("brain vascular" or cerebrovascular) N1	4,039

	accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*) or AB (((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath*” or “brain laceration*” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*) OR SU (((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath*” or “brain laceration*” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*))	
S4	S1 OR S2 OR S3	4,158
S5	DE "SUPPORTED employment"	52
S6	DE "VOCATIONAL rehabilitation"	745
S7	DE "EMPLOYEE assistance programs"	762
S8	DE "OCCUPATIONAL adaptation"	13
S9	DE "Work environment"	9,313
S10	TI ( (((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capac*) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support*”) ) AND AB ( (((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capac*)) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support*”) ) OR SU ( (((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capac*)) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support*”) )	9,773
S11	S5 OR S6 OR S7 OR S8 OR S9 OR S10	19,399
S12	S4 AND S11	51

**Database:** Academic search premier via Ebscohost

**Date:** 20.02.2018

**Results:** 758

#	Query	Results
S1	DE Brain injuries	19,544
S2	DE Head injuries	3,922

S3	DE Brain concussion	2,674
S4	DE Postconcussion syndrome	373
S5	DE Head injury complications	368
S6	DE Lacunar stroke	198
S7	DE Cerebral cortex injuries	108
S8	DE Cerebellum injuries	52
S9	DE Cerebral hemorrhage	3,702
S10	DE Brain stem injuries	73
S11	DE Chronic traumatic encephalopathy	340
S12	DE Periventricular leukomalacia	255
S13	DE Brain damage	6,619
S14	DE Frontal lobe injuries	66
S15	DE Craniocerebral injuries	160
S16	DE Cerebral infarction	2,994
S17	DE Stroke	28,240
S18	TI (((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath*” or “brain laceration*” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*)) OR AB (((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath*” or “brain laceration*” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*)) OR SU (((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath*” or “brain laceration*” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*))	166,400
S19	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18	172,776
S20	DE "RETURN to work programs"	354
S21	DE "SUPPORTED employment"	434
S22	DE "EMPLOYMENT reentry"	1,175
S23	DE "EMPLOYEE assistance programs"	1,191
S24	DE "OCCUPATIONAL retraining"	460
S25	DE "VOCATIONAL rehabilitation"	2,165
S26	DE "Work environment"	26,000

S27	TI ( ((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support**”) ) OR AB ( ((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support**”) ) OR SU ( ((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or “stay at work” or “work role functioning” or “stably employed” or “natural support**”) )	32,123
S28	S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27	59,080
S29	S19 AND S28	758

**Database:** Cinahl via Ebscohost

**Date:** 20.02.2018

**Results:** 982

#	Query	Results
S1	(MH "Brain Injuries")	15,548
S2	(MH "Right Hemisphere Injuries")	227
S3	(MH "Left Hemisphere Injuries")	174
S4	(MH "Brain Concussion")	2,368
S5	(MH "Postconcussion Syndrome")	444
S6	(MH "Brain Contusions")	3
S7	(MH "Chronic Traumatic Encephalopathy")	13
S8	(MH "Epilepsy, Post-Traumatic")	11
S9	(MH "Intracranial Hemorrhage")	1,464
S10	(MH "Head Injuries")	4,561
S11	(MH "Stroke")	41,770
S12	(MH "Stroke, Lacunar")	112
S13	TI ( ((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or “traumatic encephalopath**” or “brain laceration**” or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (“brain vascular” or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*) ) OR AB ( ((brain or head or	74,550

	cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) N1 (injur* or trauma* or hemorrhage*) or TBI or TBIs or ABI or ABIs or "traumatic encephalopath*" or "brain laceration*" or concussion* or contusion* or ((craniocerebral or cerebrum) N1 lesion*) or stroke* or apoplexy or (("brain vascular" or cerebrovascular) N1 accident*) or CVA or CVAs or ((brain or cerebral) N1 infarction*))	
S14	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13	90,607
S15	(MH "Job Re-Entry")	4,617
S16	(MH "Work Environment")	19,448
S17	(MH "Employment, Supported")	748
S18	(MH "Employee Assistance Programs")	628
S19	(MH "Job Accommodation")	813
S20	(MH "Rehabilitation, Vocational")	4,679
S21	TI ( ((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or stay at work or work role functioning or stably employed or natural support*) ) OR AB ( ((return* or back) N3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) N1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or stay at work or work role functioning or stably employed or natural support*) )	11,988
S22	S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21	36,035
S23	S14 AND S22	982

**Database:** The Cochrane Library

**Date:** 20.02.2018

**Results:** 164 (Cochrane Reviews: 8; Other Reviews: 4; Trials: 150; Economic Evaluations: 2)

ID	Search	Hits
#1	[mh ^"brain injuries"]	1256
#2	[mh ^"brain hemorrhage, traumatic"]	2
#3	[mh ^"brain stem hemorrhage, traumatic"]	0
#4	[mh ^"cerebral hemorrhage, traumatic"]	12
#5	[mh ^"brain injuries, diffuse"]	0
#6	[mh ^"diffuse axonal injury"]	10
#7	[mh ^"brain injuries, traumatic"]	63
#8	[mh ^"brain concussion"]	113
#9	[mh ^"brain contusion"]	0
#10	[mh ^"chronic traumatic encephalopathy"]	0



#11	[mh ^"brain injury, chronic"]	27
#12	[mh ^"epilepsy, post-traumatic"]	15
#13	[mh ^"craniocerebral trauma"]	300
#14	[mh ^"coma, post-head injury"]	5
#15	[mh ^"head injuries, penetrating"]	1
#16	[mh ^stroke]	6581
#17	[mh ^"brain infarction"]	73
#18	[mh ^"brain stem infarctions"]	6
#19	[mh ^"lateral medullary syndrome"]	6
#20	[mh ^"cerebral infarction"]	576
#21	[mh ^"infarction, anterior cerebral artery"]	4
#22	[mh ^"infarction, middle cerebral artery"]	115
#23	[mh ^"infarction, posterior cerebral artery"]	3
#24	[mh ^"stroke, lacunar"]	29
#25	((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) near/2 (injur* or trauma* or hemorrhage*)):ti,ab,kw	8636
#26	(TBI or TBIs or ABI or ABIs or "traumatic encephalopath*" or "brain laceration" * or concussion* or contusion*):ti,ab,kw	2978
#27	((craniocerebral or cerebrum) near/2 lesion*):ti,ab,kw	2
#28	(("brain vascular" or cerebrovascular) near/2 accident*):ti,ab,kw	7709
#29	((brain or cerebral) near/2 infarction*):ti,ab,kw	3116
#30	(stroke* or apoplexy or CVA or CVAs):ti,ab,kw	38216
#31	{ or #1-#30 }	49331
#32	[mh ^"Return to work"]	165
#33	[mh ^Workplace]	787
#34	[mh ^"Employment, Supported"]	115
#35	[mh ^"Rehabilitation, Vocational"]	388
#36	((return* or back) near/4 (work or job or employment or workforce)):ti,ab,kw	1784
#37	((work or workplace or job or employment or vocational) near/2 (participat* or reintegrati* or "re-integrati*" or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)):ti,ab,kw	2240
#38	(rtw or reemployment or underemployment or "stay at work" or "work role functioning" or "stably employed" or "natural support*"):ti,ab,kw	162
#39	{ or #32-#38 }	4445
#40	#31 and #39	164

**Database:** Web of Science

**Date:** 20.02.2018

**Results:** 1473

#	Search	Results
#1	TS=((brain or head or cerebral or cranial or cerebellar or cerebrocranial or craniocerebral or cerebrum) NEAR/1 (injur* or trauma* or hemorrhage*)) or TBI or TBIs or ABI or ABIs or (traumatic NEAR/0 encephalopath*) or (brain NEAR/0 laceration*) or concussion* or contusion* or ((craniocerebral or cerebrum) NEAR/1 lesion*) or stroke* or apoplexy or (((brain NEAR/0 vascular) or cerebrovascular) NEAR/1 accident*) or CVA or CVAs or ((brain or cerebral) NEAR/1 infarction*))	394078
#2	TS=((return* or back) NEAR/3 (work or job or employment or workforce)) or rtw or ((work or workplace or job or employment or vocational) NEAR/1 (participat* or reintegrati* or re-integrati* or integrati* or rehabilitation or stability or tenure or retention or retaining or accommodat* or support* or capacit*)) or reemployment or underemployment or (stay NEAR/0 at NEAR/0 work) or (work NEAR/0 role NEAR/0 functioning) or (stably NEAR/0 employed) or (natural NEAR/0 support*))	46196
#3	#1 AND #2	1473

**Database:** Scopus

**Date:** 20.02.2018

**Results:** 2592

( TITLE-ABS-KEY ( ((( brain OR head OR cerebral OR cranial OR cerebellar OR cerebrocranial OR craniocerebral OR cerebrum ) W/1 ( injur\* OR trauma\* OR hemorrhage\* ) ) OR tbi OR tbis OR abi OR abis OR "traumatic encephalopath\*" OR "brain laceration\*" OR concussion\* OR contusion\* OR ( ( craniocerebral OR cerebrum ) W/1 lesion\* ) OR stroke\* OR apoplexy OR ( ( "brain vascular" OR cerebrovascular ) W/1 accident\* ) OR cva OR cvas OR ( ( brain OR cerebral ) W/1 infarction\* ) ) ) AND ( TITLE-ABS-KEY ( ( ( return\* OR back ) W/3 ( work OR job OR employment OR workforce ) ) OR rtw OR ( ( work OR workplace OR job OR employment OR vocational ) W/1 ( participat\* OR reintegrati\* OR re-integrati\* OR integrati\* OR rehabilitation OR stability OR tenure OR retention OR retaining OR accommodat\* OR support\* OR capacit\* ) ) OR reemployment OR underemployment OR "stay at work" OR "work role functioning" OR "stably employed" OR "natural support\*" ) ) )

**Database:** Norart

**Date:** 26.02.2018

**Results:** 100

hjerneskode OR hodeskade