APPENDIX A – Search Strategy

Searches Medline, PsycINFO, and Cinahl using EBSCOhost

Search limits: 'peer reviewed' & 'human'

Database	MeSH and Major Subject Headings
Medline	(MH "Work Schedule Tolerance+") OR (MH "Circadian Rhythm+") OR (MH "Sleep Disorders, Circadian Rhythm+") OR (MH "Personnel Staffing and Scheduling+") OR (MH "After-hours care+") OR (MH "Workload+") **AND** (MH "Sick Role+") OR (MH "Illness Behavior+") OR (MH "Absenteeism+") OR (MH "Sick Leave+") OR (MH "Occupational health+")
PsycINFO	(DE "Work Scheduling") OR (DE "Work Rest Cycles") OR (DE "Workday Shifts") OR (DE "Work Load") OR (DE "Work Week Length") OR (DE "Human Biological Rhythms") OR (DE "Biological Rhythms") **AND** (DE "Illness Behavior") OR (DE "Employee Absenteeism") OR (DE "Employee Leave Benefits") OR (DE "Work Related Illnesses")
Cinahl	(MH "Work Schedule Tolerance+") OR (MH "Circadian Rhythm+") OR (MH "Sleep Disorders, Circadian Rhythm+") OR (MH "Personnel Staffing and Scheduling+") OR (MH "Workload+") **AND** (MH "Sick Role+") OR (MH "Illness Behavior+") OR (MH "Absenteeism+") OR (MH "Sick Leave+") OR (MH "Occupational health+")
	General word search
Medline, PsycINFO & Cinahl	shiftwork OR nightwork OR nightshift OR (shift* N2 work*) OR (shift* N2 system*) OR (shift* N2 schedul*) OR (shift* N2 rotat*) OR (shift* N2 pattern*) OR (night* N2 shift) OR (night* N2 work*) OR (night* N2 schedul*) OR (evening N2 work) OR (evening N2 shift*) OR (morning N2 work) OR (morning N2 shift*) OR (irregular* N2 shift*) OR (irregular* N2 work* N2 hour*) OR (irregular* N2 schedul*) OR (non-standard N2 schedul*) OR (non-standard N2 rotat*) OR (nonstandard N2 schedul*) OR (nonstandard N2 rotat*) OR (work* N2 schedul*) OR (roster*) OR (long N2 work* N2 hour*) OR (hour* N2 long) OR (hour* N2 extend*) OR (long N2 day*) OR (week* N2 work* N2 hour*) OR (hour* N2 12) OR (hour* N2 twelve) OR (hour* N2 80) OR (hour* N2 84) OR (work* N2 week N2 80) OR (work* N2 week N2 84) OR (working N2 time N2 arrangement*) OR (worktime N2 arrangement*) OR (work N2 arrangement*) OR (weekend N2 work*) OR (extend* N2 week*) OR (compress* N2 hour*) OR (compress* N2 week*) **AND** (long-term N2 sickness N2 absen*) OR (long-term N2 sickness N2 leave*) OR (short-term N2 sickness N2 absen*) OR (short-term N2 sick* N2 leave) OR (temporary N2 sick-leave) OR (sick* N2 absen*) OR (sick* N2 leave) OR (sick* N2 day*) OR (sick* N2 spells*) OR (sick* N2 list*) OR (sick* N2 role) OR (work N2 absen*) OR (absenteeism) OR (days N2 off) OR (absen* N2 spell*) OR (absen* N2 day*) OR (illness N2 day*) OR (illness N2 spell*) OR (illness N2 behavio#r) OR (time N2 return N2 work) OR (duration N2 absence) OR (work N2 loss)

Online searches

NIOSHTIC-2 : http://www2.cdc.gov/nioshtic-2/

Database	General word search
NIOSHTIC-2	shiftwork OR "shift work" OR "shift system" OR "shift schedule" OR "shift rotation" OR "night shift" OR "extend work" OR "work organisation" **AND** "Sickness absence"

ISI Web of Science: www.webofknowledge.com
Search limits: Topic search

Database	General word search
ISI Web of Science	shiftwork OR nightwork OR nightshift OR ("shift* work*") OR ("shift* system*") OR ("shift* 2chedule*") OR ("shift* rotat*") OR ("night* shift") OR ("night* work*") OR ("night* 2chedule*") OR ("evening work") OR ("morning work") OR ("morning shift*") OR ("irregular* shift*") OR ("irregular* work* hour*") OR ("irregular* 2chedule*") OR ("nonstandard 2chedule*") OR ("80 hour workweek") OR ("84 hour workweek") OR ("12 hour shift") OR (weekly work* hour*) OR ("long working hours") OR (roster*) OR ("rotation schedule") OR ("working time arrangement*") OR ("work time arrangement*") OR ("weekend work") OR ("extend* week*") OR ("compress* week*") OR ("compress* hours") OR ("extend* hours") **AND** ("long-term sickness absen*") OR ("long-term sickness leave*") OR ("short-term sickness absen*") OR ("short-term sick leave") OR ("sick* absen*") OR ("sick* leave") OR ("sick* day*") OR ("sick* list*") OR ("work absen*") OR (absenteeism) OR ("illness day*") OR ("illness behaviour") OR ("time to return work") OR ("absence duration") OR ("work loss")

EMBASE: www.embase.com
Search limits: 'Exclude Medline' & 'human'

Database	Search strategy: MeSH &EMTREE search
EMBASE	'work schedule'/exp OR 'working time'/exp OR 'circadian rhythm'/exp OR 'circadian rhythm sleep disorder'/exp
	Search strategy: General word search
EMBASE	(shiftwork) OR (nightwork) OR (nightshift) OR (shift* NEAR/2 work*) OR (shift* NEAR/2 system*) OR (shift* NEAR/2 schedul*) OR (shift* NEAR/2 rotat*) OR (shift* NEAR/2 pattern*) OR (night* NEAR/2 shift) OR (night* NEAR/2 work*) OR (night* NEAR/2 schedul*) OR (evening NEAR/2 work) OR (evening NEAR/2 shift*) OR (morning NEAR/2 work) OR (morning NEAR/2 shift*) OR (irregular* NEAR/2 shift*) OR ((irregular* NEAR/2 work*) OR (work* NEAR/2 hour*)) OR (irregular* NEAR/2 schedule) OR (non standard NEAR/2 schedul*) OR (non standard NEAR/2 rotat*) OR (nonstandard NEAR/2 schedule*) OR (nonstandard NEAR/2 rotat*) OR (work* NEAR/2 schedul*) OR (roster*) OR ((Long NEAR/2 work*) AND (work* NEAR/2 hour*)) OR (hour* NEAR/2 long) OR (hour* NEAR/2 extend*) OR (Long NEAR/2 day*) OR ((Week* NEAR/2 work*) AND (work* NEAR/2 hour*)) OR (hour* NEAR/2 12) OR (hour* NEAR/2 twelve) OR (hour* NEAR/2 80) OR (hour* NEAR/2 84) OR ((work* NEAR/2 week) AND (week NEAR/2 80)) OR ((work* NEAR/2 week) AND (week NEAR/2 84)) OR ((Working NEAR/2 time) AND (time NEAR/2 arrangement*)) OR (Worktime NEAR/2 arrangement*) OR (Work NEAR/2 arrangement*) OR (weekend NEAR/2 work*) OR (Extend* NEAR/2 week*) OR (Compress* NEAR/2 hour*) OR (Compress* NEAR/2 week*) **AND** 'illness behavior'/exp OR 'absenteeism'/exp OR 'medical leave'/exp OR ((long term NEAR/2 sickness) AND (sickness NEAR/2 absen*)) OR ((long term NEAR/2 sickness) AND (sickness NEAR/2 leave)) OR ((short term NEAR/2 sickness) AND (sickness NEAR/2 absen*)) OR ((short term NEAR/2 sickness) AND (sickness NEAR/2 leave)) OR (temporary NEAR/2 sick leave) OR (sick* NEAR/2 absen*) OR (sick* NEAR/2 leave) OR (sick* NEAR/2 day*) OR (sick* NEAR/2 spells*) OR (sick* NEAR/2 list*) OR (sick* NEAR/2 role) OR (work NEAR/2 absen*) OR (absenteeism) OR (days NEAR/2 off) OR (absen* NEAR/2 spell*) OR (absen* NEAR/2 day*) OR (illness NEAR/2 day*) OR (illness NEAR/2 spell*) OR (illness NEAR/2 behavior) OR (illness NEAR/2 behaviour) OR ((time NEAR/2 return) AND (return NEAR/2 work)) OR (duration NEAR/2 absence) OR (work NEAR/2 loss)