### Medline

Database(s): Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily 1946 to June 15, 2021

Search Strategy:

| #    | Searches                                                                 | Results |
|------|--------------------------------------------------------------------------|---------|
| 1    | exp Sleep Medicine Specialty/ or exp "Sleep Initiation and Maintenance Disorders"/dt, th, pc | 6932    |
| 2    | exp sleep wake disorders/dt, th, pc                                     | 27882   |
| 3    | exp *Sleep Medicine Specialty/ or exp **Sleep Initiation and Maintenance Disorders"/dt, th, pc or exp *sleep wake disorders/dt, th, pc or sleep*.ti,ab,kw. or insomnia*.ti,ab,kw. | 210283  |
| 4    | exp hospital units/ or inpatient*.mp. or ("in" adj patient*).mp. or *hospitalization/  | 2065753 |
| 5    | critical care/ or early goal-directed therapy/                         | 55129   |
| 6    | (icu or icus or ccu or ccus or (critical* adj ill*) or ventilat* or intubat* or "intensive care" or "critical care").mp. | 493147  |
| 7    | exp Respiratory Insufficiency/ or Respiratory Distress Syndrome, Adult/ or ards.mp. | 90903   |
| 8    | SEPSIS/ or Shock, Septic/ or sepsis.mp.                                | 148307  |
| 9    | or/1-3                                                                  | 212744  |
| 10   | or/4-8                                                                  | 2554603 |
| 11   | 9 and 10                                                                | 38872   |
| 12   | (sleep adj3 (duration or fragment* or hygiene or environment* or intens* or disrupt* or interrupt* or efficien*)).mp. | 23383   |
| 13   | 10 and 12                                                               | 3736    |
| 14   | "Hypnotics and Sedatives"/ or sedative*.mp. or sedation*.mp.           | 76513   |
| 15   | 11 and 14                                                               | 1606    |
| 16   | 14 and 10                                                               | 20619   |
| 17   | 16 and (4 or sleep*.mp. or insomni*.mp. or 12)                          | 12528   |
| 18   | 13 or 15 or 17                                                          | 15976   |
| 19   | limit 18 to (clinical trial, all or clinical trial, phase i or clinical trial, phase ii or clinical trial, phase iii or clinical trial, phase iv or clinical trial or comparative study or controlled clinical trial or evaluation studies or meta analysis or multicenter study or observational study or pragmatic clinical trial or randomized controlled trial or systematic reviews) [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) PubMed not MEDLINE,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher; records were retained] | 5285    |
| 20   | limit 19 to "all adult (19 plus years)"                                 | 4077    |
| 21   | 18 and (adult* or men or women or older or elder* or geriatric*).ti,ab,hw,kw. | 7988    |
| 22   | 21 and (trial* or control* or compar* or intervention*).mp.             | 5917    |
| 23   | 20 or 22                                                                | 6992    |
| 24   | limit 23 to (english language and yr="2003 - current")                 | 5037    |
| 25   | remove duplicates from 24                                               | 5033    |
Embase

Database(s): Embase 1988 to 2021 Week 23
Search Strategy:

# | Searches | Results
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1 | exp Sleep Medicine Specialty/ or exp "Sleep Initiation and Maintenance Disorders"/dt, th, pc | 14775
2 | exp sleep wake disorders/dt, th, pc | 27265
3 | exp *Sleep Medicine Specialty/ or exp **"Sleep Initiation and Maintenance Disorders"/dt, th, pc or exp *sleep wake disorders/dt, th, pc or sleep*.ti,ab,kw. or insomnia*.ti,ab,kw. | 298128
4 | exp hospital units/ | 560994
5 | critical care/ or early goal-directed therapy/ | 97339
6 | (icu or icus or ccu or ccus or (critical* adj ill*) or ventilat* or intubat* or "intensive care" or "critical care").mp. | 746841
7 | exp Respiratory Insufficiency/ or Respiratory Distress Syndrome, Adult/ or ards.mp. | 132290
8 | SEPSIS/ or Shock, Septic/ or sepsis.mp. | 231067
9 | or/1-3 | 304557
10 | or/4-8 | 1294754
11 | 9 and 10 | 21111
12 | (sleep adj3 (duration or fragment* or hygiene or environment* or intens* or disrupt* or interrupt* or efficien*)).mp. | 38418
13 | 10 and 12 | 2000
14 | *sleep disorder/ or exp *daytime somnolence/ or exp *insomnia/ or exp *parasomnia/ or exp *somnolence/ | 41748
15 | *sleep disorder/dt, th, pc or exp *daytime somnolence/dt, th, pc or exp *insomnia/dt, th, pc or exp *parasomnia/dt, th, pc or exp *somnolence/dt, th, pc | 9906
16 | exp hypnotic sedative agent/ | 318275
17 | 15 and 16 | 4731
18 | 17 and 10 | 113
19 | critically ill patient/ | 51675
20 | 17 and 19 | 11
21 | (10 or 19) and 16 | 41228
22 | 21 and (14 or 12) | 361
23 | 18 or 20 or 22 | 361
24 | limit 23 to (adult <18 to 64 years> or aged <65+ years>) | 150
25 | 11 and 16 | 1815
26 | exp case control study/ or exp case study/ or exp clinical trial/ or exp intervention study/ or exp major clinical study/ or exp prospective study/ or exp retrospective study/ | 5581242
27 | comparative study/ | 796371
28 | 25 and (26 or 27) | 559
29 | limit 28 to (adult <18 to 64 years> or aged <65+ years>) | 359
30 | 24 or 29 | 422
31 | limit 30 to (english language and yr="2003 - current") | 383
32 | 31 not (case report/ or conference abstract.pt.) | 253
33 | remove duplicates from 32 | 253