**B. Search History**

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|  | **Source** | **Criteria** | **Results** |
| 1. | Medline | exp \*MASKS/ | 6328 |
| 2. | Medline | (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*").ti,ab | 45554 |
| 3. | Medline | (1 OR 2) | 46722 |
| 4. | Medline | CARBON DIOXIDE/ae,to | 1323 |
| 5. | Medline | ("carbon dioxide" OR CO2).ti,ab | 124877 |
| 6. | Medline | (rebreathing ADJ9 (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*")).ti,ab | 90 |
| 7. | Medline | ("pH" ADJ9 (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*")).ti,ab | 73 |
| 8. | Medline | exp \*COGNITION/ OR exp \*PSYCHOMOTOR PERFORMANCE/ OR \*WORK PERFORMANCE/ OR exp \*ATTENTION/ OR exp \*MEMORY/ OR exp \*THINKING/ | 367862 |
| 9. | Medline | ("cognitive performance" OR "mental performance").ti,ab | 18810 |
| 10. | Medline | ((job OR motor OR psychomotor OR work OR task) AND (performance OR ability)).ti,ab | 244582 |
| 11. | Medline | (alertness OR concentration OR attention OR memory OR recall OR reasoning OR judgement).ti,ab | 1836656 |
| 12. | Medline | exp \*FATIGUE/ | 15748 |
| 13. | Medline | (fatigue OR tiredness).ti,ab | 94905 |
| 14. | Medline | (4 OR 5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13) | 2439874 |
| 15. | Medline | (3 AND 14) | 5343 |
| 16. | Medline | exp \*"HEALTH PERSONNEL"/ | 370604 |
| 17. | Medline | ("health care worker\*" OR "healthcare worker\*" OR "health care personnel" OR "healthcare personnel" OR "health personnel" OR "health provider\*" OR "health care provider\*" OR "medical staff" OR "medical personnel" OR "medical professional\*" OR "medical worker\*").ti,ab | 91762 |
| 18. | Medline | (nurse OR nurses OR nursing OR midwife OR midwives).ti,ab | 444118 |
| 19. | Medline | (anaesthetist\* OR anesthetist\* OR anesthesiologist\* OR surgeon\* OR physician\* OR doctor\* OR medic OR medics OR nurse\* OR midwife OR midwives OR ODP\* OR practitioner\*).ti,ab | 1030781 |
| 20. | Medline | ((health\* OR medical) ADJ2 (profession\* OR personnel OR staff OR worker\* OR manpower OR workforce)).ti,ab | 205755 |
| 21. | Medline | (16 OR 17 OR 18 OR 19 OR 20) | 1530752 |
| 22. | Medline | (15 AND 21) | 480 |
| 23. | Medline | (15 AND 21) [Languages English] | 425 |
| 24. | EMBASE | exp \*MASK/ | 7991 |
| 25. | EMBASE | (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*").ti,ab | 66299 |
| 26. | EMBASE | (24 OR 25) | 68167 |
| 27. | EMBASE | \*"CARBON DIOXIDE"/to,ae,am | 460 |
| 28. | EMBASE | ("carbon dioxide" OR CO2).ti,ab | 156249 |
| 29. | EMBASE | (rebreathing ADJ9 (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*")).ti,ab | 164 |
| 30. | EMBASE | ("pH" ADJ9 (FFP3 OR mask OR masks OR "power\* hood\*" OR "air purifying respirator\*" OR PAPR OR "enhanced respiratory and contact precautions" OR ERCP OR "respiratory protection" OR "transparent panel\*" OR "filtering face piece\*" OR "filtering facepiece\*")).ti,ab | 98 |
| 31. | EMBASE | exp \*COGNITION/ OR \*"PSYCHOMOTOR PERFORMANCE"/ OR \*"JOB PERFORMANCE"/ OR \*"TASK PERFORMANCE"/ OR exp \*ATTENTION/ | 762633 |
| 32. | EMBASE | ("cognitive performance" OR "mental performance").ti,ab | 27136 |
| 33. | EMBASE | ((job OR motor OR psychomotor OR work OR task) AND (performance OR ability)).ti,ab | 315179 |
| 34. | EMBASE | (alertness OR concentration OR attention OR memory OR recall OR reasoning OR judgement).ti | 234599 |
| 35. | EMBASE | exp \*FATIGUE/ | 35883 |
| 36. | EMBASE | (fatigue OR tiredness).ti,ab | 154407 |
| 37. | EMBASE | (27 OR 28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36) | 1460993 |
| 38. | EMBASE | (26 AND 37) | 5540 |
| 39. | EMBASE | exp \*"HEALTH CARE PERSONNEL"/ | 503886 |
| 40. | EMBASE | ("health care worker\*" OR "healthcare worker\*" OR "health care personnel" OR "healthcare personnel" OR "health personnel" OR "health provider\*" OR "health care provider\*" OR "medical staff" OR "medical personnel" OR "medical professional\*" OR "medical worker\*").ti,ab | 121743 |
| 41. | EMBASE | (nurse OR nurses OR nursing OR midwife OR midwives).ti,ab | 504854 |
| 42. | EMBASE | (anaesthetist\* OR anesthetist\* OR anesthesiologist\* OR surgeon\* OR physician\* OR doctor\* OR medic OR medics OR nurse\* OR midwife OR midwives OR ODP\* OR practitioner\*).ti | 320113 |
| 43. | EMBASE | ((health\* OR medical) ADJ2 (profession\* OR personnel OR staff OR worker\* OR manpower OR workforce)).ti,ab | 255631 |
| 44. | EMBASE | (39 OR 40 OR 41 OR 42 OR 43) | 1236219 |
| 45. | EMBASE | (38 AND 44) | 297 |
| 46. | EMBASE | 38 AND 44 [English language] | 278 |