## **S3. Medline Search Strategy (5 March 2020)**

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to March 5, 2020>

1. exp access to information/ (7707)
2. open access publishing/ (440)
3. "open science".mp. (1118)
4. "open research".mp. (474)
5. "open scholarship".mp. (4)
6. "open access".mp. (7815)
7. "open data".mp. (1594)
8. "open licens\*".mp. (35)
9. "open metric\*".mp. (0)
10. "open knowledge".mp. (17)
11. "citizen science".mp. (1297)
12. "open publishing".mp. (6)
13. "data publishing".mp. (59)
14. "data access".mp. (1192)
15. "data curation".mp. (913)
16. "data intensive".mp. (512)
17. "data plan\*".mp. (192)
18. (data adj3 re\*us\*).mp. (2226)
19. "data sharing".mp. (4252)
20. "data visual\*".mp. (2421)
21. "sharing data".mp. (760)
22. ("meta science" or metascience).mp. (67)
23. (pre-registration or preregistration).mp. (2322)
24. (research and transparen\*).mp. (24189)
25. repeatability.mp. (26723)
26. reproducib\*.mp. (527382)
27. replicab\*.mp. (4429)
28. replicat\*.mp. (342922)
29. open education.mp. (27)
30. "open lab\*".mp. (46405)
31. "open pedagog\*".mp. (1)
32. open notebook\*.mp. (5)
33. open peer review.mp. (100)
34. "open protocol\*".mp. (50)
35. open source.mp. (12320)
36. open textbook\*.mp. (5)
37. lab notebook\*.mp. (51)
38. "research notebook\*".mp. (4)
39. ((code or data or software) and (availab\* or shar\*)).mp. (628841)
40. ((software or data) and carpentr\*).mp. (52)
41. ((computation\* or programm\*) and (R or Python or Jupyter or markdown)).mp. (16762)
42. (Zenodo or Github or "open science framework").mp. (1597)
43. or/1-42 (1575608)
44. (academic adj5 health librar\*).mp. (4)
45. (health adj3 information specialist\*).mp. (40)
46. (health adj3 information professional\*).mp. (113)
47. (health science\* adj5 librar\*).mp. (1341)
48. health librar\*.mp. (857)
49. informationist\*.mp. (82)
50. medical librar\*.mp. (2759)
51. science librar\*.mp. (230)
52. hospital librar\*.mp. (606)
53. exp libraries/ (10126)
54. librarians/ (1060)
55. or/44-52 (5378)
56. 43 and 55 (540)
57. limit 56 to yr="2010 -Current" (302)