

Appendix. Search strategy for Medline

Database: Medline via Ovid <1946 to Present>

Search Title: Social Media All Conditions Update 1.0 | Medline – 24 April 2013 -- AM

Date Searched: 3 May 2013

Results: 2,007

Internet and social media related MeSH:

1. Computer-Assisted Instruction/
2. Computers/td, ut
3. Electronic Mail/
4. Mass Media/td, ut
5. Medical Informatics/
6. Online Systems/td, ut
7. Search Engine/
8. User-Computer Interface/
9. exp Internet/

Internet and social media related keywords:

10. blog*.mp.
11. e-health.mp.
12. Facebook*.mp.
13. (forum* adj3 (internet or web* or chat*)).mp.
14. Googl*.mp.
15. "Health 2.0".mp.
16. "Medicine 2.0".mp.
17. microblog*.mp.
18. myspace.mp.
19. (online or on-line).mp.
20. PatientsLikeMe.mp.
21. podcast*.mp.
22. Second Life.mp.
23. (social adj3 media*).mp.
24. (Social adj3 network*).mp.
25. (twitter or tweet*).mp.
26. user generated content.mp.
27. (virtual adj3 (world* or communit*)).mp.
28. ("Web 2.0" or "Web 2").mp.
29. web-based.mp.
30. WebMD.mp.
31. (website* or web site* or webpage* or web page*).mp.
32. wiki*.mp.
33. World Wide Web.mp.
34. YouTube.mp.

35. or/1-34 [Internet/social media MeSH and keywords] (136,622)

Health care education/promotion terms

- 36. Communication/
- 37. "Delivery of Health Care"/
- 38. health behavior/
- 39. Health Communication/
- 40. Information Dissemination/
- 41. Information Seeking Behavior/
- 42. Information Services/
- 43. "Information Storage and Retrieval"/
- 44. Patient Care/
- 45. social support/
- 46. exp Attitude to Health/
- 47. exp Health Education/
- 48. exp Health Promotion/
- 49. exp Health/
- 50. exp Self Care/
- 51. exp Self-Help Groups/
- 52. (health adj3 (behavio?r* or care or communicat* or educat* or promot* or service*)).tw.
- 53. (inform* adj3 (disseminat* or retriev* or seek* or service*)).tw.
- 54. (self adj3 (care or help or support*)).tw.

55. **or/36-54** [MeSH words for health promotion/information dissemination] (1,021,580)

56. **and/35,55** [combination of social media + health information terms] (39,253)

Search filters to stream out non-research papers

RCT Filter

- 57. randomized controlled trial.pt.
- 58. controlled clinical trial.pt.
- 59. randomized.ab.
- 60. placebo.ab.
- 61. exp Clinical Trials as Topic/
- 62. randomly.ab.
- 63. trial.ti.
- 64. or/57-63
- 65. exp animals/ not humans.sh.
- 66. **64 not 65** [Cochrane RCT filter to max sensitivity and precision] (796,178)

SR Filter

- 67. meta analysis.mp.pt.
- 68. review.pt.
- 69. search*.tw.
- 70. **or/67-69** [HIRU SR filter to balance sensitivity and specificity] (1,922,766)

Observational Study Filter

- 71. epidemiologic studies/
- 72. exp Case-Control Studies/
- 73. exp Cohort Studies/
- 74. case control.tw.
- 75. (cohort adj (study or studies)).tw.
- 76. cohort analy*.tw.
- 77. (follow up adj (study or studies)).tw.

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| 78. (observational adj (study or studies)).tw. |
| 79. longitudinal.tw. |
| 80. retrospective.tw. |
| 81. cross sectional.tw. |
| 82. Cross-Sectional Studies/ |
| 83. or/71-82 [SIGN observational study filter] (1,681,223) |
| <i>Qualitative Research Filter</i> |
| 84. interview*.tw. |
| 85. experience*.mp. |
| 86. qualitative.tw. |
| 87. or/84-86 [HIRU qualitative study filter] (828,027) |
| 88. or/66,70,83,87 [combination of all search filters] (4,523,457) |
| 89. and/56,88 [combination of social media + health + SD] (17,847) |
| 90. limit 89 to yr="2012 -Current" (2,234) |
| 91. remove duplicates from 90 (2,007) |