

Supplementary File 1. Search strategy for MEDLINE. Date range limit for results: March 9, 2009 – January Week 1, 2015.

1. "mental disorders"/di, th
2. suicide/pc
3. "self-injurious behavior"/pc, rh
4. alcoholism/di, pc
5. Alcohol drinking/pc
6. exp "substance related disorders"/di, pc, rh
7. (substance abuse adj (detection or education or counsel\$)).mp.
8. exp substance abuse detection/
9. crisis intervention/ or "crisis care".ti,ab.
10. "mental health triage".mp.
11. exp Mental Disorders/di, pc, rh, th
12. (motivational interview* or brief intervention or brief motivational interview).ti,ab.
13. (craftt or audit or raps).ti,ab.
14. "alcohol use disorders identification test".ti,ab.
15. "rapid alcohol problems screen".ti,ab.
16. aggression.mp.
17. (restraint or restraining).ti,ab.
18. hallucinat*.ti,ab.
19. or/1-18
20. Suicide Attempted/
21. exp Mental Disorders/
22. ("alcohol or other drugs" or "alcohol use disorder").ti,ab.
23. (aud or aod).ti,ab.
24. exp Domestic Violence/
25. or/20-24
26. Mass Screening/ or Survival Analysis/ or Risk/ or Incidence/ or Risk Factors/ or "Social Work Department, Hosptial"/ or "social services".mp.
27. "Referral and Consultation"/ or exp Counseling/ or "Behavior Therapy"/
28. di.fs.
29. (screening test* or marker* or detect* or assess* or probability or likelihood or accuracy or diagnos*).mp.
30. (sensitivity or specificity).mp.
31. or/26-30
32. 25 and 31
33. 19 or 32 (659058)
34. exp Emergency Service, Hospital/
35. emergency medical services/
36. exp emergencies/
37. "HOSPITAL EMERGENCY SERVICE".mp.
38. ((ED or PED) and (emergency or emergencies)).mp.
39. (EDs and (emergency or emergencies)).mp.
40. ((emergenc\$ or trauma) adj5 (departmen\$ or ward\$ or service\$ or unit\$ or room\$ or hospital\$ or care or patient\$ or physician\$ or doctor\$ or medicine or treatment\$)).mp.

41. (emergency or emergencies or trauma).jn.
42. exp Emergency Medicine/
43. or/34-42
44. 33 and 43
45. emergency services, psychiatric/ or "behavioral emergency".ti,ab.
46. or/44-45
47. limit 46 to (clinical trial, all or comparative study or controlled clinical trial or evaluation studies or guideline or journal article or meta analysis or multicenter study or practice guideline or randomized controlled trial or "review" or "scientific integrity review" or technical report or twin study or validation studies)
48. limit 47 to (english or french)
49. limit 48 to "all child (0 to 18 years)"
50. limit 49 to ed=20090309-20151231
51. limit 50 to yr="2009-current" (1506)