

## Web Appendix 1: MEDLINE Search Strategy (1950 to present)

- 1 exp "Sensitivity and Specificity"/ (325577)
- 2 likelihood functions/ (13059)
- 3 diagnostic accuracy.tw. (16207)
- 4 (sensitivity and specificity).tw. (99257)
- 5 likelihood ratio\$.tw. (5874)
- 6 predictive value\$.tw. (50099)
- 7 receiver operating curve\$.tw. (720)
- 8 roc.tw. (12868)
- 9 or/1-8 (406204)
- 10 statistics as topic/ (74395)
- 11 exp Diagnosis/ (5292818)
- 12 di.fs. (1692215)
- 13 diagnos\$.af. (2740205)
- 14 or/11-13 (6392103)
- 15 10 and 14 (26625)
- 16 9 or 15 (430307)
- 17 exp Decision Making/ (95388)
- 18 Clinical Competence/ (52085)
- 19 (communicat\$ adj5 statistic\$).tw. (182)
- 20 (communicat\$ adj5 risk\$).tw. (2209)
- 21 (skill\$ adj5 evidence).tw. (632)
- 22 (probabilistic\$ adj5 reason\$).tw. (127)
- 23 (understand\$ adj5 statistic\$).tw. (450)

- 24 (understand\$ adj5 risk\$).tw. (4439)
- 25 (interpret\$ adj5 statistic\$).tw. (1478)
- 26 (interpret\$ adj5 test\$).tw. (6619)
- 27 (diagnos\$ adj5 probabilit\$).tw. (1435)
- 28 (clinical adj5 reason\$).tw. (4191)
- 29 bayes theorem/ (12418)
- 30 bayesian.tw. (12435)
- 31 or/17-30 (180963)
- 32 16 and 31 (9839)
- 33 exp Health Personnel/ (319758)
- 34 doctor\$.tw. (70235)
- 35 physician\$.tw. (218341)
- 36 nurse\$.tw. (159624)
- 37 practitioner\$.tw. (76174)
- 38 clinician\$.tw. (88378)
- 39 Family Practice/ (57311)
- 40 Physician's Practice Patterns/ (31957)
- 41 Nurse's Practice Patterns/ (214)
- 42 or/33-41 (797624)
- 43 32 and 42 (1772)