

## Prevalence

### Database

Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1950 to present>

### Search strategy

1. heart valve diseases/ or heart valve problems.mp. or valvular heart disease.mp. (17,404)
2. ((aortic or aorta or mitral or pulmonary or tricuspid or valvular) and (regurgitation or stenosis or incompetence or insufficiency)).mp. (83,008)
3. heart valve regurgitation.mp. (12)
4. heart valve stenosis.mp. (9)
5. mitral valve disease.mp. (1891)
6. heart defects, congenital/ or congenital heart disease.mp. (40,373)
7. congenital heart malformation.mp. (106)
8. heart septal defects, atrial/ or atrial septal defect.mp. (9383)
9. heart septum defect.mp. (2)
10. heart ventricle septum defect.mp. (0)
11. heart septal defects, ventricular/ or ventricular septal defect.mp. (12,797)
12. heart atrium septal defect.mp. (0)
13. aortic coarctation/ or coarctation of the aorta.mp. (9)
14. aorta coarctation.mp. (72)
15. heart valve diseases/ or heart valve problems.mp. or valvular heart disease.mp. (17,404)
16. valvular defects.mp. (167)
17. valvular heart disease.mp. or Heart Valve Diseases/ (17,403)
18. aortic valve disease.mp. (1465)
19. aorta valve disease.mp. (1)
20. mitral valve disease.mp. (1891)
21. pulmonary valve disease.mp. (26)
22. ductus arteriosus, pulmonary/ or patent ductus arteriosus.mp. (5025)
23. cardiomyopathies/ or cardiomyopath\$.mp. (54,399)
24. hypertension, pulmonary/ or primary pulmonary hypertension.mp. (19,785)
25. aortic diseases/ or aortic disease.mp. or aorta disease.mp. (11,798)
26. aortic aneurysm/ or aortic aneurysm.mp. or aorta aneurysm.mp. (33,140)
27. (aortic dissection or aorta dissection).mp. (5836)
28. intramural haematoma.mp. (150)
29. aortic rupture/ or aortic rupture.mp. or aorta rupture.mp. (7213)
30. aortic dilation.mp. (141)
31. aortic pathology.mp. (340)
32. cardiomyopathy, dilated/ or dilated cardiomyopathy.mp. or congestive cardiomyopathy.mp. (11,825)
33. cardiomyopathy, hypertrophic/ or hypertrophic cardiomyopathy.mp. (11,890)
34. Heart failure/ or heart failure.mp. (104,920)
35. hypertrophy, left ventricular/ or left ventricular hypertrophy.mp. or left ventricular impairment.mp. (15,400)
36. heart left ventricle hypertrophy.mp. (0)
37. congestive heart failure.mp. (27,387)
38. endocarditis/ or endocarditis.mp. (26,716)
39. pericarditis/ or pericarditis.mp. (11,273)
40. myocardial ischemia/ or ischemic heart disease.mp. or heart muscle ischemia.mp. (39,971)

41. (angina or angina pectoris or angina pectoris, variant or angina, unstable or ludwig's angina or microvascular angina).mp. (54,437)
42. coronary thrombosis/ or coronary thrombosis.mp. (5820)
43. (atherosclerotic heart disease or atherosclerotic cardiovascular disease).mp. (1343)
44. Myocardial Infarction/co (22,261)
45. (chordae tenineae adj rupture).mp. (0)
46. (papillary muscle\$ adj rupture).mp. (297)
47. heart papillary muscle rupture.mp. (0)
48. (thrombosis adj atrium).mp. (0)
49. heart atrium thrombosis.mp. (0)
50. (thrombosis adj auricular appendage).mp. (0)
51. (thrombosis adj ventricle).mp. (0)
52. Thrombosis/ or heart ventricle thrombosis.mp. (47,650)
53. left ventricular aneurysm/ or heart aneurysm/ or left ventricular aneurysm.mp. or heart left ventricle aneurysm.mp. (6200)
54. (aneurysm/ or aneurysm.mp.) and (ventricular mural or coronary artery or coronary vessels or aortic).mp. (40,602)
55. (coronary artery aneurysm or aorta aneurysm).mp. (0)
56. heart neoplasms/ or heart masses.mp. or cardiac masses.mp. (11,718)
57. heart tumor.mp. (91)
58. pulmonary embolism/ or pulmonary embolism.mp. or lung embolism.mp. (32,491)
59. lung disease/ or pulmonary disease.mp. (79,806)
60. hypertension, pulmonary/ or pulmonary hypertension.mp. (26,664)
61. cor pulmonale.mp. (3437)
62. heart murmurs/ or heart murmur\$.mp. (3344)
63. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 (622,101)
64. exp epidemiologic studies/ (1,222,832)
65. exp epidemiology/ (17,055)
66. epidemiology.tw. (73,246)
67. exp prevalence/ (135,244)
68. prevalence.ti. (60,865)
69. exp incidence/ (134,727)
70. incidence.ti. (58,881)
71. 64 or 65 or 66 or 67 or 68 or 69 or 70 (1,481,934)
72. 63 and 71 (102,242)
73. atrial fibrillation/ (25,007)
74. af.tw. (13,864)
75. atrial fibrillation.tw. (26,363)
76. 73 or 74 or 75 (40,470)
77. 72 and 76 (3488)

## Diagnostic

1. heart valve diseases/ or heart valve problems.mp. or valvular heart disease.mp. (17,116)
2. ((aortic or aorta or mitral or pulmonary or tricuspid or valvular) and (regurgitation or stenosis or incompetence or insufficiency)).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (81,348)
3. heart valve regurgitation.mp. (11)

4. heart valve stenosis.mp. (9)
5. heart valve stenosis.mp. (9)
6. mitral valve disease.mp. (1831)
7. heart defects, congenital/ or congenital heart disease.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (39,689)
8. congenital heart malformation.mp. (99)
9. heart septal defects, atrial/ or atrial septal defect.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (9244)
10. heart septum defect.mp. (2)
11. heart ventricle septum defect.mp. (0)
12. heart septal defects, ventricular/ or ventricular septal defect.mp. (12,594)
13. heart atrium septal defect.mp. (0)
14. aortic coarctation/ or coarctation of the aorta.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (9)
15. aorta coarctation.mp. (71)
16. Heart valve diseases/ (15,539)
17. valvular defects.mp. (165)
18. valvular heart disease.mp. or Heart Valve Diseases/ (17,115)
19. aortic valve disease.mp. (1410)
20. aorta valve disease.mp. (1)
21. mitral valve disease.mp. (1831)
22. pulmonary valve disease.mp. (24)
23. ductus arteriosus, pulmonary/ or patent ductus arteriosus.mp. (4919)
24. cardiomyopathies/ or cardiomyopath\$.mp. (52,978)
25. hypertension, pulmonary/ or primary pulmonary hypertension.mp. (19,366)
26. aortic diseases/ or aortic disease.mp. or aorta disease.mp. (11,598)
27. aortic aneurysm/ or aortic aneurysm.mp. or aorta aneurysm.mp. (32,524)
28. (aortic dissection or aorta dissection).mp. (5672)
29. intramural haematoma.mp. (150)
30. aortic rupture/ or aortic rupture.mp. or aorta rupture.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (7122)
31. aortic dilation.mp. (126)
32. aortic pathology.mp. (329)
33. cardiomyopathy, dilated/ or dilated cardiomyopathy.mp. or congestive cardiomyopathy.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (11,481)
34. cardiomyopathy, hypertrophic/ or hypertrophic cardiomyopathy.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (11,642)
35. Heart failure/ or heart failure.mp. (101,953)
36. hypertrophy, left ventricular/ or left ventricular hypertrophy.mp. or left ventricular impairment.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (14,894)
37. heart left ventricle hypertrophy.mp. (0)
38. congestive heart failure.mp. (26,691)
39. endocarditis/ or endocarditis.mp. (26,285)
40. pericarditis/ or pericarditis.mp. (11,130)
41. myocardial ischemia/ or ischemic heart disease.mp. or heart muscle ischemia.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (38,960)
42. (angina or angina pectoris or angina pectoris, variant or angina, unstable or ludwig's angina or microvascular angina).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (53,232)
43. coronary thrombosis/ or coronary thrombosis.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (5635)

44. (atherosclerotic heart disease or atherosclerotic cardiovascular disease).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (1298)
45. Myocardial Infarction/co [Complications] (21,843)
46. (chordae tenineae adj rupture).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (0)
47. (papillary muscle\$ adj rupture).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (295)
48. heart papillary muscle rupture.mp. (0)
49. (thrombosis adj atrium).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (0)
50. heart atrium thrombosis.mp. (0)
51. (thrombosis adj auricular appendage).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (0)
52. (thrombosis adj ventricle).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (0)
53. Thrombosis/ or heart ventricle thrombosis.mp. (46,892)
54. left ventricular aneurysm/ or heart aneurysm/ or left ventricular aneurysm.mp. or heart left ventricle aneurysm.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (6131)
55. (aneurysm/ or aneurysm.mp.) and (ventricular mural or coronary artery or coronary vessels or aortic).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (39,871)
56. (coronary artery aneurysm or aorta aneurysm).mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (0)
57. heart neoplasms/ or heart masses.mp. or cardiac masses.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (11,574)
58. heart tumor.mp. (89)
59. pulmonary embolism/ or pulmonary embolism.mp. or lung embolism.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (31,929)
60. lung disease/ or pulmonary disease.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (78,271)
61. hypertension, pulmonary/ or pulmonary hypertension.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (25,991)
62. cor pulmonale.mp. (3404)
63. heart murmurs/ or heart murmur\$.mp. [mp = title, original title, abstract, name of substance word, subject heading word, unique identifier] (3300)
64. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 (609,155)
65. Echocardiography/ (54,742)
66. echocardiography.mp. (98,874)
67. tte.mp. or tte.tw. (1026)
68. transthoracic echocardiography.mp. (3633)
69. (echocardiog\$ adj (transthorac\$ or trans-thorac\$ or (trans\$ and thorac\$))).mp. (408)
70. 65 or 66 or 67 or 68 or 69 (99,048)
71. prognosis.sh. (281,258)
72. diagnosed.tw. (240,154)
73. cohort:.mp. (196,722)
74. predictor:.tw. (132,468)
75. death.tw. (335,379)
76. exp models, statistical/ (168,145)
77. 71 or 72 or 73 or 74 or 75 or 76 (1,175,870)

78. exp 'Sensitivity and Specificity'/ (299,564)
79. sensitivity.tw. (389,280)
80. specificity.tw. (245,482)
81. ((pre-test or pretest) adj probability).tw. (833)
82. post-test probability.tw. (237)
83. predictive value\$.tw. (47,609)
84. likelihood ratio\$.tw. (5527)
85. 78 or 79 or 80 or 81 or 82 or 83 or 84 (764,660)
86. 77 or 85 (1,827,791)
87. 64 and 70 and 86 (17,997)
88. limit 87 to (humans and 'all adult (19 plus year s)') (12,787)