

Appendices to -  
Technical report for SCIE Research Review on  
the prevalence and incidence of parental mental  
health problems and the detection, screening  
and reporting of parental mental health problems

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# Appendix 1 Detailed search write up

## Main searches

The following databases were originally searched by SCIE in May 2005, and were updated by the York team in January 2007.

### Databases searched

- PsycINFO (Ovid Online)
- MEDLINE (Ovid Online)
- EMBASE (Ovid Online)
- CINAHL – (Cumulative Index to Nursing & Allied Health Literature) (Ovid Online)
- HMIC (Health Management Information Consortium) (Ovid Online)
- The Cochrane Library (Internet)
- National Research Register (NRR) (Internet version)
- ASSIA (CSA Illumina)
- National Criminal Justice Reference Service Abstracts (Internet)
- ERIC (Educational Resources Information Center) (CSA Illumina)
- Australian Education Index (AUEI) (1979 – to date) (Dialog Datastar)
- British Education Index (BREI) (1975 – to date) (Dialog Datastar)
- Campbell Collaboration (C2 SPECTR and C2 RIPE) (Internet)
- Social Services Abstracts (CSA Illumina)
- Social Work Abstracts (Ovid Online)
- Social Care Online (Internet) (Searched to replace CareData)
- Childdata (Internet)
- CommunityWISE (Internet).

### **PSYCHINFO (Ovid Online – <http://www.ovid.com>)**

1806 to February week 2 2007

Searched on 16/02/2007

Retrieved 2,719 hits.

### ***Search strategy***

1. exp treatment outcomes/
2. \*mental health program evaluation/
3. \*relapse prevention/
4. "side effects (treatment)"/
5. \*child guidance clinics/

6. exp \*alternative medicine/ or exp \*behavior modification/ or \*bibliotherapy/ or exp \*cognitive techniques/ or exp \*creative arts therapy/ or exp \*crisis intervention services/ or exp \*cross cultural treatment/ or \*involuntary treatment/ or \*milieu therapy/ or \*movement therapy/ or \*multimodal treatment approach/ or \*online therapy/ or exp \*outpatient treatment/ or exp \*physical treatment methods/ or exp \*preventive medicine/ or exp \*psychotherapeutic techniques/ or exp \*psychotherapy/ or exp \*rehabilitation/ or exp \*relaxation therapy/ or \*social casework/ or \*treatment guidelines/ or \*cognitive behavior therapy/
7. \*treatment dropouts/
8. exp \*treatment effectiveness evaluation/ or exp \*treatment outcomes/
9. exp mental health services/
10. exp \*clinical trials/
11. \*community mental health centers/
12. exp \*community services/
13. \*health care policy/
14. \*counseling/ or \*cross cultural counseling/ or exp \*psychotherapeutic counseling/ or \*rehabilitation counseling/
15. \*health care seeking behavior/ or \*health service needs/
16. \*integrated services/ or \*long term care/
17. exp \*mental health programs/
18. \*outreach programs/ or \*school counseling/ or \*social casework/
19. \*prevention/
20. \*social services/ or \*outreach programs/ or \*protective services/ or \*child welfare/ or \*social casework/
21. exp \*support groups/
22. exp \*family therapy/
23. \*respite care/
24. \*needs assessment/
25. exp \*psychiatric hospitalization/
26. exp \*Drug Rehabilitation/
27. exp \*early intervention/
28. \*legal processes/ or "adoption (child)"/ or \*child custody/ or \*guardianship/ or \*protective services/
29. \*psychiatric clinics/ or \*child guidance clinics/ or \*walk in clinics/
30. exp \*Interdisciplinary Treatment Approach/
31. ((interdisciplinary or multidisciplinary or interagency) adj2 (approach\$ or program\$ or work\$ or cooper\$)).ti,id.
32. ((interdisciplinary or multidisciplinary or interagency) adj2 (approach\$ or program\$ or work\$ or cooper\$ or collaborat\$)).ti,id.
33. exp \*Project Head Start/
34. Sure Start.mp.
35. Home Start.mp.
36. \*conflict Resolution/
37. exp \*HOUSING/
38. exp "welfare services (government)"/
39. welfare benefits.ti,id.
40. social security.ti,id.

41. exp \*Social Security/
42. \*drug rehabilitation/ or \*alcohol rehabilitation/ or \*detoxification/ or \*drug usage screening/ or \*methadone maintenance/ or \*psychosocial rehabilitation/ or \*rehabilitation counseling/ or \*twelve step programs/
43. or/1-42
44. \*poverty/ or \*disadvantaged/ or \*homeless/ or "income (economic)"/ or \*lower income level/ or \*socioeconomic status/
45. exp \*Childhood Development/
46. exp \*Infant Development/
47. exp \*Behavior Disorders/
48. exp \*Behavior Problems/
49. \*Emotionally Disturbed/
50. \*Emotional Adjustment/
51. exp \*parent child communication/
52. exp \*parent child relations/ or exp \*family conflict/ or exp \*parental investment/
53. \*family relations/ or \*sibling relations/
54. \*education/ or \*high school education/ or \*higher education/ or \*middle school education/ or \*secondary education/
55. \*classroom behavior modification/ or \*classroom discipline/ or \*school adjustment/ or \*school attendance/
56. \*school dropouts/ or \*school truancy/
57. exp \*Caregiver Burden/
58. exp \*stigma/ or \*social discrimination/ or \*stereotyped attitudes/
59. exp \*Social Isolation/
60. (social\$ adj1 (exclu\$ or depriv\$ or inclu\$)).ti,id.
61. family functioning.mp.
62. exp \*child abuse/ or \*abandonment/ or \*attachment disorders/ or \*child neglect/ or \*child welfare/ or \*emotional abuse/ or \*failure to thrive/ or \*family violence/ or \*physical abuse/ or \*sexual abuse/ or \*verbal abuse/ or \*violent crime/
63. domestic violence.mp.
64. \*Antisocial Behavior/
65. social exclusion.mp.
66. \*homeless/
67. \*Self Destructive Behavior/
68. self-harm.mp.
69. young carers.mp.
70. or/44-69
71. prevalence.mp.
72. exp \*Epidemiology/
73. extent.ti,id.
74. exp \*Demographic Characteristics/
75. (incidence or frequency).ti,id.
76. case identification.mp.
77. ident\$.ti,id.
78. or/71-77
79. exp \*PARENTS/

80. \*adoptive parents/ or \*fathers/ or \*foster parents/ or \*homosexual parents/ or \*mothers/ or \*single parents/ or \*stepparents/ or "surrogate parents (humans)"/
81. dependent child\$.mp.
82. or/79-81
83. \*Mental Disorders/
84. exp Mental Health/
85. \*chronic mental illness/
86. \*affective disorders/
87. \*anxiety disorders/
88. \*dissociative disorders/
89. \*eating disorders/
90. \*neurosis/
91. \*personality disorders/
92. \*pervasive developmental disorders/
93. \*psychosis/ or \*acute psychosis/ or \*affective psychosis/ or \*chronic psychosis/ or "paranoia (psychosis)"/ or \*postpartum psychosis/ or \*reactive psychosis/
94. \*schizoaffective disorder/
95. \*schizophrenia/
96. \*bipolar disorder/ or \*major depression/ or \*mania/ or \*seasonal affective disorder/
97. exp \*neurosis/
98. \*compulsive personality disorder/ or \*paranoid personality disorder/ or \*passive aggressive personality disorder/ or \*sodomasochistic personality/ or \*schizoid personality disorder/ or \*schizotypal personality disorder/
99. exp \*psychiatric hospitalization/
100. or/83-99
101. parental mental health.ti,id.
102. mentally ill parents.ti,id.
103. parental psychopathology.ti,id.
104. ((parent\$ or maternal or paternal or mother\$ or father\$) adj2 (psychiat\$ or depression or mental\$)).ti,id.
105. postnatal depression.ti,id.
106. postnatal depression.mp.
107. exp postpartum depression/ or exp postpartum psychosis/
108. (post?natal depression or post?partum depression).mp.
109. (post?natal depression or post?partum depression).ti,id.
110. exp \*Munchausen Syndrome by Proxy/
111. exp \*folie a deux/
112. or/101-111
113. \*comorbidity/
114. dual diagnosis.mp.
115. \*drug abuse/
116. substance misus\$.mp.
117. \*alcohol abuse/
118. \*binge drinking/
119. or/113-118
120. 100 and 119
121. 82 and (100 or 120)

122. 121 or 112
123. 122 and (43 or 70 or 78)
124. limit 123 to (human and yr=1985-2007).

**MEDLINE (Ovid Online – <http://www.ovid.com>)**

1950 to February week 3 2007

Searched on 7/3/2007

Retrieved 4,679 hits.

**Search strategy**

1. parental mental health.mp.
2. mentally ill parents.mp.
3. parental psychopathology.mp.
4. ((parent\$ or maternal or paternal or mother\$ or father\$) adj2 (psychiat\$ or depression or mental\$)).mp.
5. ((parent\$ or maternal or paternal or mother\$ or father\$) adj2 (psychiat\$ or depression or mental\$)).ti.
6. postnatal depression.mp. or \*Depression, Postpartum/
7. post natal depression.mp.
8. \*Munchausen Syndrome by Proxy/
9. or/1-8
10. exp \*PARENTS/
11. \*"CHILD OF IMPAIRED PARENTS"/
12. dependent child\$.mp.
13. or/10-12
14. exp \*Epidemiology/
15. demographics.mp. or exp \*Demography/
16. exp incidence/ or exp prevalence/
17. case identification.mp.
18. or/14-17
19. exp \*Mental Disorders/
20. folie a deux.mp.
21. exp \*Mentally Ill Persons/
22. or/19-21
23. exp Treatment Outcome/
24. relapse prevention.mp.
25. exp \*Patient Dropouts/ or exp \*Patient Compliance/
26. exp \*Clinical Trials/
27. exp \*Evaluation Studies/
28. exp \*Primary Health Care/ or exp \*"Delivery of Health Care, Integrated"/ or exp "Continuity of Patient Care"/ or integrated services.mp. or exp \*Systems Integration/

29. exp \*Primary Health Care/ or exp \*"Delivery of Health Care, Integrated"/ or exp \*"Continuity of Patient Care"/ or integrated services.mp. or exp \*Systems Integration/
30. exp \*Long-Term Care/ or exp \*Health Policy/ or health care policy.mp. or exp \*Health Planning/ or exp \*"Delivery of Health Care"/
31. exp \*"Health Services Needs and Demand"/
32. exp \*"Patient Acceptance of Health Care"/
33. assertive outreach.mp.
34. outreach programs.mp.
35. exp \*School Health Services/ or school counseling.mp.
36. exp \*Social Work/ or social services.mp.
37. exp \*Child Welfare/
38. exp \*Child Health Services/ or exp \*Child Advocacy/ or child protection.mp.
39. exp \*Self-Help Groups/
40. exp \*Family Therapy/
41. exp \*Respite Care/
42. exp \*Needs Assessment/
43. drug rehabilitation.mp. or exp \*Substance Abuse Treatment Centers/
44. exp \*ADOPTION/
45. exp \*Foster Home Care/
46. \*Outpatient Clinics, Hospital/ or exp \*Ambulatory Care Facilities/ or walk in clinics.mp.
47. ((interdisciplinary or multidisciplinary or interagency) adj2 (approach\$ or program\$ or work\$ or cooper\$ or collaborat\$)).mp.
48. "Head Start".mp.
49. "Sure Start".mp.
50. "Home Start".mp.
51. conflict resolution.mp.
52. \*housing/ or exp \*public housing/
53. exp \*Social Security/
54. welfare benefits.mp.
55. exp \*Mental Health Services/
56. exp \*"Commitment of Mentally Ill"/
57. or/23-56
58. exp \*POVERTY AREAS/ or exp \*POVERTY/
59. disadvantaged.mp. or exp \*Vulnerable Populations/
60. exp \*Homeless Persons/ or homelessness.mp.
61. exp \*social isolation/ or \*social problems/ or exp \*crime/ or exp \*dangerous behavior/ or exp \*divorce/ or \*homicide/ or exp \*juvenile delinquency/ or exp \*poverty/ or exp \*prostitution/ or \*runaway behavior/ or exp \*social behavior disorders/ or \*suicide/ or exp \*suicide, attempted/ or \*violence/ or exp \*domestic violence/
62. \*Income/
63. exp \*Child Development/
64. exp \*mental disorders diagnosed in childhood/
65. exp \*Social Adjustment/ or exp \*Affective Symptoms/ or emotionally disturbed.mp.
66. family conflict.mp.

67. exp \*Family Relations/
68. education/ or \*schools/
69. exp \*Juvenile Delinquency/
70. young carer\$.mp.
71. stigma.mp.
72. exp \*Prejudice/
73. (social\$ adj1 (exclu\$ or depriv\$ or inclu\$)).mp.
74. family functioning.mp.
75. exp \*Self-Injurious Behavior/
76. or/58-75
77. substance abus\$.mp.
78. substance misus\$.mp.
79. exp \*"Diagnosis, Dual (Psychiatry)"/
80. alcohol abuse.mp.
81. exp \*Alcoholism/
82. exp \*Substance-Related Disorders/
83. or/77-82
84. 22 and 83
85. 13 and (22 or 84)
86. 85 or 9
87. 86 and (57 or 76 or 83)
88. limit 87 to (humans and yr=1985-2007)

### **EMBASE (Ovid Online – <http://www.ovid.com>)**

1980 to 2007 Week 09  
 Searched on 07/03/2007  
 Retrieved 870 hits.

#### ***Search strategy***

1. parental mental health.mp.
2. mentally ill parents.mp.
3. parental psychopathology.mp.
4. ((parent\$ or maternal or paternal or mother\$ or father\$) adj2 (psychiat\$ or depression or mental\$)).mp.
5. postnatal depression.mp. or exp \*Puerperal Depression/
6. exp \*Munchausen Syndrome By Proxy/
7. or/1-6
8. exp \*Parent/
9. dependent child\$.mp.
10. or/8-9
11. exp \*Mental Disease/
12. exp \*Mental Patient/
13. folie a deux.mp.
14. or/11-13



15. exp \*treatment outcome/
16. Clinical Trial/
17. exp \*Evaluation/
18. exp \*Primary Health Care/
19. exp \*Long Term Care/
20. exp \*Health Care Policy/
21. exp \*health care access/ or exp \*health care availability/ or exp \*health care distribution/ or exp \*health care need/ or exp \*health care planning/ or health program/ or exp \*regionalization/
22. assertive outreach.mp.
23. exp \*SCHOOL HEALTH SERVICE/
24. exp \*Social Work/
25. exp \*Social Care/
26. primary education.mp.
27. exp \*college/ or exp \*high school/ or exp \*kindergarten/ or exp \*nursery school/ or exp \*primary school/
28. exp \*Child Welfare/
29. exp \*Self Help/
30. exp \*Family Therapy/
31. exp \*Home Care/
32. respite care.mp. or exp \*Home Care/
33. needs assessment.mp. or exp \*Health Services Research/
34. drug rehabilitation.mp.
35. exp \*ADOPTION/
36. exp \*Foster Care/
37. exp \*Outpatient Department/ or walk in clinics.mp.
38. ((interdisciplinary or multidisciplinary or interagency) adj2 (approach\$ or program\$ or work\$ or cooper\$ or collaborat\$)).mp.
39. "Head Start".mp.
40. "Sure Start".mp.
41. "Home Start".mp.
42. exp \*HOUSING/
43. exp \*Social Security/
44. welfare benefits.mp.
45. compulsory admission.mp.
46. compulsory treatment.mp.
47. exp \*mental health care/
48. or/15-47
49. exp \*lowest income group/ or exp \*poverty/
50. exp \*HOMELESSNESS/
51. exp \*alienation/ or exp \*loneliness/ or exp \*parental deprivation/ or exp \*social isolation/
52. exp \*social problem/ or exp \*abuse/ or exp \*crime/ or exp \*violence/ or exp \*domestic violence/
53. exp \*SUICIDE/
54. exp \*HOMICIDE/
55. exp \*DIVORCE/

56. exp \*Juvenile Delinquency/
57. exp \*Child Development/
58. exp \*Social Adaptation/
59. exp \*School/
60. young carer\$.mp.
61. stigma.mp.
62. (social\$ adj1 (exclu\$ or depriv\$ or inclu\$)).mp.
63. exp \*Family Life/
64. exp Suicide Attempt/ or exp Drug Overdose/ or exp \*Automutilation/ or self-harm.mp. or exp Suicidal Behavior/
65. or/49-64
66. exp \*Substance Abuse/
67. substance misus\$.mp.
68. dual diagnosis.mp.
69. exp \*Alcohol Abuse/
70. exp \*ALCOHOLISM/
71. substance related disorders.mp. or exp \*Addiction/
72. or/66-71
73. exp \*EPIDEMIOLOGY/
74. exp \*Demography/ or demographics.mp.
75. exp PREVALENCE/
76. exp INCIDENCE/
77. case identification.mp.
78. or/73-77
79. 14 and 72
80. 10 and (14 or 79)
81. 80 or 7
82. 81 and ((48 and 65) or 78)
83. limit 82 to (human and yr=1985-2007).

### **CINAHL (Ovid Online – <http://www.ovid.com>)**

1982 to March Week 1 2007

Searched on 08/03/2007

Retrieved 3,535 hits.

#### ***Search strategy***

1. parental mental health.mp.
2. mentally ill parents.mp.
3. parental psychopathology.mp.
4. ((parent\$ or maternal or paternal or mother\$ or father\$) adj2 (psychiat\$ or depression or mental\$)).mp.
5. postnatal depression.mp. or exp \*Depression, Postpartum/
6. exp \*Munchausen Syndrome By Proxy/
7. or/1-6

8. exp \*Parents/
9. exp \*"children of impaired parents"/ or exp \*"children of alcoholics"/
10. dependent child\$.mp.
11. or/8-10
12. exp \*EPIDEMIOLOGY/
13. exp \*Demography/
14. exp incidence/ or exp prevalence/
15. case identification.mp.
16. or/12-15
17. exp \*Mental Disorders/
18. folie a deux.mp.
19. or/17-18
20. exp \*Treatment Outcomes/
21. relapse prevention.mp.
22. exp \*Clinical Trials/
23. exp \*clinical research/ or evaluation research/ or exp \*health services research/ or exp \*needs assessment/ or exp \*pilot studies/ or exp \*policy studies/
24. exp \*health care delivery, integrated/ or exp \*primary health care/
25. exp \*"continuity of patient care"/ or exp \*family centered care/ or exp \*multidisciplinary care team/
26. exp \*acute care/ or exp \*after care/ or exp \*holistic care/ or exp \*home health care/ or exp \*home nursing/ or exp \*long term care/ or exp \*maternal-child care/ or exp \*psychiatric care/ or exp \*patient seclusion/ or exp \*psychiatric home care/ or exp \*residential care/ or exp \*spiritual care/ or exp \*transcultural care/
27. exp \*"Health Services Needs and Demand"/
28. exp \*Decision Making, Patient/ or exp \*Support, Psychosocial/
29. exp \*Community Mental Health Nursing/ or exp \*Psychiatric Nursing/ or exp \*Mental Health Services/ or assertive outreach.mp.
30. exp \*School Health Services/
31. exp \*Social Work/
32. exp \*Social Work Service/
33. exp \*Child Welfare/
34. exp \*Child Health Services/
35. child protection.mp. or exp \*Community Health Nursing/
36. self help groups.mp. or exp \*Support Groups/
37. exp \*Family Therapy/
38. exp \*Respite Care/
39. drug rehabilitation.mp.
40. exp \*Adoption/
41. foster care.mp. or exp \*Foster Home Care/
42. exp \*Medication Compliance/ or exp \*Ambulatory Care/ or exp \*Outpatient Service/ or outpatient clinics.mp.
43. ((interdisciplinary or multidisciplinary or interagency) adj2 (approach\$ or program\$ or work\$ or cooper\$ or collaborat\$)).mp.
44. exp \*Project Head Start/
45. "Sure Start".mp.
46. "Home Start".mp.

47. conflict resolution.mp. or exp \*Conflict Management/
48. exp \*HOUSING/
49. welfare benefits.mp.
50. exp \*Mental Health Services/
51. exp \*Involuntary Commitment/ or compulsory admission.mp.
52. compulsory treatment.mp.
53. exp \*counseling/ or exp \*couples counseling/
54. complementary therapy.mp. or exp \*Alternative Therapies/
55. exp \*Caregiver Support/
56. or/20-55
57. exp \*adolescent behavior/ or exp \*attachment behavior/ or behavior, addictive/ or exp \*child behavior/ or exp \*disengagement/ or exp \*disruptive behavior/ or exp \*patient compliance/ or exp \*medication compliance/ or exp \*treatment refusal/ or exp \*help seeking behavior/ or exp \*information seeking behavior/ or exp \*maternal behavior/ or exp \*paternal behavior/ or exp \*risk taking behavior/ or exp \*self-injurious behavior/ or exp social skills/ or exp \*adolescent development/ or exp \*child development/ or exp \*infant development/ or exp \*language development/
58. exp \*POVERTY AREAS/ or exp \*POVERTY/
59. exp \*Socioeconomic Factors/ or disadvantaged.mp.
60. exp \*"Economic and Social Security"/
61. exp \*HOMELESSNESS/
62. exp \*Homeless Persons/
63. exp \*social isolation/ or exp \*loneliness/ or exp \*social alienation/ or exp \*stereotyping/ or exp \*stigma/
64. exp \*CRIME VICTIMS/ or exp \*CRIME/
65. exp crime/ or "assault and battery"/ or exp child abuse/ or exp homicide/ or exp sexual abuse/ or exp violence/
66. exp \*minority groups/ or exp \*social networks/ or divorce/ or exp \*juvenile delinquency/ or exp \*latchkey children/ or exp \*partner abuse/ or exp \*pregnancy in adolescence/ or exp \*prostitution/
67. exp \*Suicide/
68. exp \*Student Dropouts/ or exp \*Absenteeism/ or truancy.mp. or exp \*Academic Achievement/
69. exp \*Runaways/
70. self destructive behavior.mp. or exp \*Self-Injurious Behavior/
71. exp \*Mental Disorders Diagnosed in Childhood/
72. exp \*Affective Disorders/ or emotionally disturbed.mp.
73. exp \*Family Relations/ or family conflict.mp.
74. exp \*SCHOOLS, MIDDLE/ or exp \*SCHOOLS, SPECIAL/ or exp \*SCHOOLS, NURSERY/ or exp \*SCHOOLS, SECONDARY/
75. exp \*Caregiver Burden/ or young carer\$.mp.
76. exp \*prejudice/ or exp \*psychosocial deprivation/
77. (social\$ adj1 (exclu\$ or depriv\$ or inclu\$)).mp.
78. exp \*Family Functioning/
79. or/57-78
80. exp \*"Diagnosis, Dual (Psychiatry)"/

81. exp \*substance abuse/ or exp \*alcohol abuse/ or exp \*inhalant abuse/ or exp \*substance abuse, intravenous/ or exp \*substance abuse, perinatal/
82. exp \*"ALTERED FAMILY PROCESS: ALCOHOLISM (NANDA)"/ or exp \*ALCOHOLISM/
83. or/80-82
84. 19 and 83
85. 11 and (19 or 84)
86. 85 or 7
87. 86 and (16 or 56 or 79)
88. limit 87 to yr=1985-2007.

**HMIC – Health Management Information Consortium (Ovid Online – <http://www.ovid.com>)**

January 2007

Searched on 27/02/2007

Retrieved 280 hits.

***Search strategy***

1. (parent\$ mental health or mentally ill parent\$ or parental psychopathology or post?natal depression or Munchausen syndrome by proxy or folie a deux or ((parent\$ or maternal or paternal or mother or father) adj2 (psychiatr\$ or depression or mental\$))).mp.

**The Cochrane Library – ([www.thecochranelibrary.com](http://www.thecochranelibrary.com))**

Issue 1 January 2007

Searched on 06/03/2007

Retrieved 294 hits.

***Search strategy***

1. Mental health problems AND parent in ALL
2. "mental health" NEAR/5 parent
3. "parent mental health" OR parent NEAR/5 (depression OR disorder) OR family NEAR/5 "mental health" in ALL
4. Munchausen OR parent AND (schizophrenia OR psychosis) OR impaired parent in ALL
5. Depress\* AND parent\* in ALL
6. Depress\* AND family
7. Depress\* AND family NEAR/5 parent
8. Parents AND mental disorders (MeSH)(1985-2007)
9. #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8.

## National Research Register (<http://www.nrr.nhs.uk/>)

Searched on 07/03/2007

Retrieved 656 hits.

### **Search strategy**

1. PARENTS single term (MeSH)
2. MENTAL DISORDERS single term (MeSH)
3. CHILD OF IMPAIRED PARENTS single term (MeSH)
4. ((#1 and #2) or #3)
5. ((parent\* next mental next health) or (mentally next ill next parent\*) or (parental next psychopathology) or (postnatal next depression) or (munchausen next syndrome next by next proxy) or (folie next deux))
6. (psychiatr\* near parent\*)
7. (psychiatr\* near maternal)
8. (psychiatr\* near paternal)
9. (psychiatr\* near mother)
10. (psychiatr\* near father)
11. (depression near father)
12. (depression near mother)
13. (depression near paternal)
14. (depression near maternal)
15. (depression near parent\*)
16. (mental\* near parent\*)
17. (mental\* near maternal)
18. (mental\* near paternal)
19. (mental\* near mother)
20. (mental\* near father)
21. (#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)
22. (#4 or #5 or #21).

## ASSIA (CSA Illumina – <http://www.csa.com/>)

1987 – current

Searched on 01/03/2007

Retrieved 302 hits.

### **Search strategy**

1. (parental mental health) or (mentally ill parent\*) or (parental psychopathology) or (post?natal depression) or (post?natal psychos?s) or (postpartum depression) or (postpartum psychos?s) or (folie a deux) or (Munchausen syndrome by proxy).

**National Criminal Justice Reference Service Abstracts –  
<http://www.ncjrs.gov/abstractdb/Search.asp>**

Searched on 01/03/2007  
Retrieved 295 hits.

***Search strategy***

1. ((parent\* or maternal or paternal or mother\* or father\*) within 2 (psychiat\* or depress\* or mental\*)) or ((parental mental health) or (mentally ill parent\*) or (parental psychopathology) or (post?natal depression) or (post?natal psychos?s) or (postpartum depression) or (postpartum psychos?s) or (folie a deux) or (Munchausen syndrome by proxy))

**ERIC (CSA Illumina – <http://www.csa.com/>)**

1966 – current  
Searched on 01/03/2007  
Retrieved 94 hits.

***Search strategy***

1. (parental mental health) or (mentally ill parent\*) or (parental psychopathology) or (post?natal depression) or (post?natal psychos?s) or (postpartum depression) or (postpartum psychos?s) or (folie a deux) or (Munchausen syndrome by proxy).

**Additional educational databases**

In addition to updating the searches of ERIC (Educational Resources Information Center) originally conducted by the SCIE team, the York team searched following Educational databases in February 2007:

- Australian Education Index (AUEI) (1979 – to date) (Dialog Datastar)
- British Education Index (BREI) (1975 – to date) (Dialog Datastar)

**Australian Education Index (AUEI) (Dialog DataStar)**

1979 to date  
Searched 27/02/2007  
Retrieved 87 hits.

### ***Controlled language tools***

The AUEI thesaurus contains an alphabetical listing of terms used for indexing and searching in the AUEI database.

No terms were found for parental mental health, mentally ill parents etc.

### ***Search strategy***

((parent\$ OR maternal OR paternal OR mother\$ OR father\$) NEAR (psychiat\$ OR depress\$ OR mental\$)) OR (parental ADJ mental ADJ health) OR (mentally ADJ ill ADJ parent\$) OR (parental ADJ psychopathology) OR (postnatal ADJ depression) OR (post ADJ natal ADJ depression) OR (post ADJ natal ADJ psychos\$) OR (postnatal ADJ psychos\$) OR (postpartum ADJ depression) OR (postpartum ADJ psychos\$) OR (folie ADJ a ADJ deux) OR (Munchausen ADJ syndrome ADJ by ADJ proxy) OR (personality ADJ disorder\$).

Restricted to 1985-2007.

### **British Education Index (BREI) (Dialog DataStar)**

1975 to date

Searched 27/02/2007

Retrieved 54 hits.

### ***Controlled language tools***

The BREI thesaurus contains an alphabetical listing of terms used for indexing and searching in the AUEI database.

No terms were found for parental mental health, mentally ill parents etc.

### ***Search strategy***

((parent\$ OR maternal OR paternal OR mother\$ OR father\$) NEAR (psychiat\$ OR depress\$ OR mental\$)) OR (parental ADJ mental ADJ health) OR (mentally ADJ ill ADJ parent\$) OR (parental ADJ psychopathology) OR (postnatal ADJ depression) OR (post ADJ natal ADJ depression) OR (post ADJ natal ADJ psychos\$) OR (postnatal ADJ psychos\$) OR (postpartum ADJ depression) OR (postpartum ADJ psychos\$) OR (folie ADJ a ADJ deux) OR (Munchausen ADJ syndrome ADJ by ADJ proxy) OR (personality ADJ disorder\$).

Restricted to 1985-2007.



## **Campbell Collaboration (<http://www.campbellcollaboration.org/>)**

C2 SPECTR

Searched on 07/07/2007

Retrieved 40 hits.

### ***Search strategy***

Keyword searches (each line run as an individual search):

1. mental health AND parent
2. mental health AND famil
3. parent AND depress
4. parent AND impaired
5. parent AND schizophrenia
6. parent AND psychosis
7. parent AND mental ill
8. parenting
9. Depress AND famil
10. Depress AND maternal
11. Depress AND mother
12. Munchausen
13. postnatal
14. postpartum.

MeSH terms:

1. parents AND mental disorders

Results from the searches above were de-duplicated and added to the Endnote library.

Search of the C2 RIPE database was a visual scan for any project that looked relevant. three were found.

## **Social Services Abstracts (CSA Illumina - <http://www.csa.com/>)**

1979 – current

Searched on 08/03/2007

Retrieved 668 hits.

### ***Search strategy***

1. ((parent\* or maternal or paternal or mother\* or father\*) within 2 (psychiat\* or depress\* or mental\*)) or ((parental mental health) or (mentally ill parent\*) or (parental psychopathology) or (post?natal depression) or (post?natal psychos?s) or (postpartum depression) or (postpartum psychos?s) or (folie a deux) or (Munchausen syndrome by proxy)).

## **SOCIAL WORK ABSTRACTS (Ovid Online – <http://www.ovid.com>)**

1977 to March 2007  
Searched on 24/05/2007  
Retrieved 225 hits.

### **Search strategy**

1. (parent\$ mental health or mentally ill parent\$ or parental psychopathology or postnatal depression or Munchausen syndrome by proxy or folie a deux).mp.
2. ((parent\$ or maternal or paternal or mother or father) adj2 (psychiatr\$ or depression or mental\$)).mp.
3. 1 or 2
4. limit 3 to yr="1985 - 2007".

## **Social Care Online – <http://www.scie-socialcareonline.org.uk/default.asp>**

Searched on 07/03/2007  
Retrieved 994 hits.

### **Search strategy**

(@k=("substance misuse" or "addiction" or "alcohol misuse" or "drug misuse" or "solvent misuse" or "mental health problems" or "anxiety" or "bipolar disorder" or "depression" or "anorexia nervosa" or "bulimia nervosa" or "eating disorders" or "hypochondriacal neuroses" or "obsessive compulsive disorders" or "personality disorders" or "phobias" or "agoraphobia" or "psychoses" or "schizophrenia" or "self-harm" or "severe mental health problems" or "attempted suicide" or "traumas" or "post traumatic stress disorder") and @k=("parents" or "fathers" or "mothers")) or (@k=("post natal depression") or @p=("post natal depress\*" or "postnatal depress\*" or "postpartum depress\*" or "post partum depress\*" or "parental mental health" or "mentally ill parent\*")) and @p.publicationdate>(19850000).

## **CHILDDATA (<http://www.childdata.org.uk>)**

Searched on 07/03/2007  
Retrieved 385 and 484 hits.

### **Search strategy**

1. In title or abstract: (parent\* mental health/mentally ill parent\*/parental psychopathology/postnatal depression/Munchausen syndrome by proxy/folie a deux)/(parent\* w2 psychiatr\*/(parent\* w2 depress\*/(parent\* w2 mental)/(maternal w2 psychiatr\*/(maternal w2 depress\*/(maternal w2 mental)/(paternal w2 psychiatr\*/(paternal w2 depress\*/(paternal w2 depress\*/(mother\* w2

- psychiatr\*)/(mother\* w2 depress\*)/(mother\* w2 mental\*)/(father w2  
psychiatr\*)/(father w2 depress\*)/(father w2 mental\*).
2. In title or abstract: (parent\* mental health/mentally ill parent\*/parental  
psychopathology/postnatal depression/ fabricated and induced illness /folie a  
deux)/(parent\* w2 psychiatr\*)/(parent\* w2 depress\*)/(parent\* w2 mental)/(maternal  
w2 psychiatr\*)/(maternal w2 depress\*)/(maternal w2 mental\*)/(paternal w2  
psychiatr\*)/(paternal w2 depress\*)/(paternal w2 depress\*)/(mother\* w2  
psychiatr\*)/(mother\* w2 depress\*)/(mother\* w2 mental\*)/(father w2  
psychiatr\*)/(father w2 depress\*)/(father w2 mental\*).
  3. #1 or #2

### **Keyword search**

1. =" fabricated and induced illness " / ="postnatal depression" / ("mental disorders"  
& ="parents").

The results of the searches were de-duplicated and added to the Endnote library.

### **CommunityWise (<http://www.oxmill.com/communitywise/>)**

Searched on 05/06/2007

Retrieved 143 hits.

### **Search strategy**

(Each line was run as a separate search).

1. subject (full): mental health AND  
global text: parent
2. global text: mental health problem AND  
global text: parent
3. global text: parental mental health
4. subject (full) : mental illness AND  
global text: parent
5. subject (full) : mental illness AND  
global text: famil\*
6. subject (full) : depress\* AND  
global text: parent
7. subject (full) : depress\* AND  
global text: mother
8. subject (full) : depress\* AND  
global text: father
9. subject (full) : impaired parent\*
10. subject (full) : comorbidity
11. subject (full) : munchausen.

These results were scanned for relevance and checked against the database for duplicates. Three items were kept.

The CommunityWise searches were repeated exactly on the Voluntary and Community Organisations Research database in the 'projects' file on CommunityWise but they didn't get any results. A simple search on parent\* yielded two eligible results that were added to the Endnote Library.

## Additional searching

### Epidemiology searching

Searches were conducted to identify high quality epidemiological evidence about the prevalence and incidence of adult mental health problems in the UK. These searches were designed to identify any adults, rather than limiting to persons specifically identified as parents, in order to enable the team to place the relatively limited number of studies that identify parents with mental health problems into context within the wider, adult, literature.

### Databases

The following databases and websites were searched on 29 January 2007:

- MEDLINE (1950-2007 January week 3) (OVID)
- EMBASE (1980-2007 January week 4) (OVID)
- CINAHL (1806-2007 January week 4) (OVID)
- HMIC (1979-2006 November) (OVID)
- Psycinfo (1985-2007 January week 4) (OVID)

### Limits

The search was limited to English language papers published between 1985 and 2007.

### Search strategies

#### **MEDLINE (Ovid Online – <http://www.ovid.com/>)**

1950 to January Week 3 2007

Searched on 29/01/2007

Retrieved 743 hits.

### **Search strategy**

1. British Household panel survey.ti,ab.
2. Survey\$.ti,ab.
3. British birth cohort.ti,ab.
4. Population census\$.ti,ab.
5. Hospital episode statistics.ti,ab.
6. National population birth cohort.ti,ab.
7. National household population.ti,ab.
8. population-based stud\$.ti,ab.
9. National Psychiatric Morbidity Survey.ti,ab.
10. Psychiatric morbidity among adults living in private households.ti,ab.
11. NPMS.ti,ab.
12. Epidemiology/
13. epidemiology.ti,ab.
14. Prevalence/
15. prevalence.ti,ab.
16. Incidence/
17. Incidence.ti,ab.
18. Census.ti,ab.
19. Censuses.ti,ab.
20. Censuses/
21. Health Surveys/
22. or/1-21
23. Adult/
24. Adult\$.ti,ab.
25. 23 or 24
26. Mental disorder\$.ti,ab.
27. Mental health.ti,ab.
28. Mental Disorders/
29. or/26-28
30. exp Great Britain/ep [Epidemiology]
31. Britain.ti,ab.
32. british.ti,ab.
33. UK.ti,ab.
34. United Kingdom.ti,ab.
35. England.ti,ab.
36. English.ti,ab.
37. Wales.ti,ab.
38. Welsh.ti,ab.
39. Scotland.ti,ab.
40. Scottish.ti,ab.
41. Ireland.ti,ab.
42. Irish.ti,ab.
43. or/30-42
44. 22 and 25 and 29 and 43
45. limit 44 to (english language and yr="1985 - 2007").

**EMBASE (Ovid Online – <http://www.ovid.com/>)**

1980 to 2007 Week 04

Searched on 29/01/2007

Retrieved 737 hits.

**Search strategy**

1. British Household panel survey.ti,ab.
2. Survey\$.ti,ab.
3. British birth cohort.ti,ab.
4. Population census\$.ti,ab.
5. Hospital episode statistics.ti,ab.
6. National population birth cohort.ti,ab.
7. National household population.ti,ab.
8. population-based stud\$.ti,ab.
9. National Psychiatric Morbidity Survey.ti,ab.
10. Psychiatric morbidity among adults living in private households.ti,ab.
11. NPMS.ti,ab.
12. Epidemiology/
13. epidemiology.ti,ab.
14. Prevalence/
15. prevalence.ti,ab.
16. Incidence/
17. Incidence.ti,ab.
18. Census.ti,ab.
19. Censuses.ti,ab.
20. Population research/
21. Health Survey/
22. or/1-21
23. Adult/
24. Adult\$.ti,ab.
25. 23 or 14
26. Mental disorder\$.ti,ab.
27. Mental health.ti,ab.
28. Mental Disease/
29. or/26-28
30. United Kingdom/ep [Epidemiology]
31. Britain.ti,ab.
32. british.ti,ab.
33. UK.ti,ab.
34. United Kingdom.ti,ab.
35. England.ti,ab.
36. English.ti,ab.
37. Wales.ti,ab.
38. Welsh.ti,ab.
39. Scotland.ti,ab.

40. Scottish.ti,ab.
41. Ireland.ti,ab.
42. Irish.ti,ab.
43. or/30-42
44. 22 and 25 and 29 and 43
45. limit 44 to (english language and yr="1985 - 2007").

**CINAHL – Cumulative Index to Nursing & Allied Health Literature (Ovid Online – <http://www.ovid.com/>)**

1982 to January Week 4 2007  
 Searched on 29/01/2007  
 Retrieved 169 hits.

***Search strategy***

1. British Household panel survey.ti,ab.
2. Survey\$.ti,ab.
3. British birth cohort.ti,ab.
4. Population census\$.ti,ab.
5. Hospital episode statistics.ti,ab.
6. National population birth cohort.ti,ab.
7. National household population.ti,ab.
8. population-based stud\$.ti,ab.
9. National Psychiatric Morbidity Survey.ti,ab.
10. Psychiatric morbidity among adults living in private households.ti,ab.
11. NPMS.ti,ab.
12. Epidemiology/
13. epidemiology.ti,ab.
14. exp morbidity/
15. prevalence.ti,ab.
16. Incidence.ti,ab.
17. Census.ti,ab.
18. Censuses.ti,ab.
19. Census/
20. exp Surveys/
21. or/1-20
22. Adult/
23. Adult\$.ti,ab.
24. 22 or 23
25. Mental disorder\$.ti,ab.
26. Mental health.ti,ab.
27. Mental Disorders/
28. or/25-27
29. exp Great Britain/ep [Epidemiology]
30. Britain.ti,ab.

31. british.ti,ab.
32. UK.ti,ab.
33. United Kingdom.ti,ab.
34. England.ti,ab.
35. English.ti,ab.
36. Wales.ti,ab.
37. Welsh.ti,ab.
38. Scotland.ti,ab.
39. Scottish.ti,ab.
40. Ireland.ti,ab.
41. Irish.ti,ab.
42. or/29-41
43. 21 and 24 and 28 and 42
44. 43
45. limit 44 to (english and yr="1985 - 2007").

**HMIC (Ovid Online – <http://www.ovid.com/>)**

1979 - November 2006  
 Searched on 29/01/2007  
 Retrieved 102 hits.

***Search strategy***

1. British Household panel survey.ti,ab.
2. Survey\$.ti,ab.
3. British birth cohort.ti,ab.
4. Population census\$.ti,ab.
5. Hospital episode statistics.ti,ab.
6. National population birth cohort.ti,ab.
7. National household population.ti,ab.
8. population-based stud\$.ti,ab.
9. National Psychiatric Morbidity Survey.ti,ab.
10. Psychiatric morbidity among adults living in private households.ti,ab.
11. NPMS.ti,ab.
12. Epidemiology/
13. epidemiology.ti,ab.
14. Prevalence of disease/
15. prevalence.ti,ab.
16. Incidence of disease/
17. Incidence.ti,ab.
18. Census.ti,ab.
19. Censuses.ti,ab.
20. exp Census tables/
21. Health Surveys/ or surveys/ or social surveys/ or economic surveys/ or survey results/



22. or/1-21
23. exp Adult/
24. Adult\$.ti,ab.
25. 23 or 24
26. Mental disorder\$.ti,ab.
27. Mental health.ti,ab.
28. Mental Disorders/
29. or/26-28
30. exp United Kingdom/
31. Britain.ti,ab.
32. british.ti,ab.
33. UK.ti,ab.
34. United Kingdom.ti,ab.
35. England.ti,ab.
36. English.ti,ab.
37. Wales.ti,ab.
38. Welsh.ti,ab.
39. Scotland.ti,ab.
40. Scottish.ti,ab.
41. Ireland.ti,ab.
42. Irish.ti,ab.
43. or/30-42
44. 22 and 25 and 29 and 43
45. 44
46. limit 45 to yr="1985 - 2007".

**PsycINFO (Ovid Online – <http://www.ovid.com/>)**

1985 to January Week 4 2007

Searched on 29/01/2007

Retrieved 171 hits.

***Search strategy***

1. British Household panel survey.ti,ab.
2. Survey\$.ti,ab.
3. British birth cohort.ti,ab.
4. Population census\$.ti,ab.
5. Hospital episode statistics.ti,ab.
6. National population birth cohort.ti,ab.
7. National household population.ti,ab.
8. population-based stud\$.ti,ab.
9. National Psychiatric Morbidity Survey.ti,ab.
10. Psychiatric morbidity among adults living in private households.ti,ab.
11. NPMS.ti,ab.
12. Epidemiology/

13. epidemiology.ti,ab.
14. prevalence.ti,ab.
15. Incidence.ti,ab.
16. Census.ti,ab.
17. Censuses.ti,ab.
18. exp Surveys/
19. or/1-18
20. Adult development/ or adolescent development/
21. Adult\$.ti,ab.
22. 20 or 21
23. Mental disorder\$.ti,ab.
24. Mental health.ti,ab.
25. Mental Disorders/
26. or/23-25
27. (britain or england or wales or scotland or ireland).lo.
28. Britain.ti,ab.
29. british.ti,ab.
30. UK.ti,ab.
31. United Kingdom.ti,ab.
32. England.ti,ab.
33. English.ti,ab.
34. Wales.ti,ab.
35. Welsh.ti,ab.
36. Scotland.ti,ab.
37. Scottish.ti,ab.
38. Ireland.ti,ab.
39. Irish.ti,ab.
40. or/27-39
41. 19 and 22 and 26 and 40
42. limit 41 to english language.

### Grey literature searches

The following Internet sources were searched in February 2007:

- Clinical Trials.gov
- Current Controlled Trials
- ISI Proceedings: Science and Technology (ISI web of knowledge)
- ISI Proceedings: Social Science and Humanities (ISI web of knowledge).

**Clinical Trials.gov** – <http://clinicaltrials.gov/ct/gui>

Searched on 27/02/2007

Retrieved 192 hits.

**Search strategy**

The search interface to this resource is a very simple one and the search had to be modified accordingly.

((parent OR parents OR parental OR paternal OR maternal OR mother OR mothers OR father OR fathers) AND (depression OR depressive OR mental OR mentally OR psychiatric OR psychiatrist OR "personality disorder" OR "personality disorders")) OR "parental psychopathology" OR "postnatal depression" OR "Munchausen syndrome by proxy" OR "folie a deux".

**Current Controlled Trials – <http://controlled-trials.com/mrct/>**

Searched on 27/02/2007

Retrieved 57 hits.

**Search strategy**

The search interface to this resource is a very simple one and the search had to be modified accordingly.

("parent% mental health" OR "mentally ill parent%" OR "parental psychopathology" OR "postnatal depression").

**ISI Proceedings: Science and Technology – via ISI Web Of Knowledge – <http://portal.isiknowledge.com/>**

1990-2007

Searched on 27/02/2007

Retrieved 730 hits.

And:

**ISI Proceedings: Social Science and Humanities – via ISI Web Of Knowledge – <http://portal.isiknowledge.com/>**

1990-2007

Searched on 27/02/2007

Retrieved 532 hits.

**Search strategy**

All lines were limited as follows:

DocType=All document types; Language=All languages; Database=STP; Timespan=1990-2007.

- #1 TS=("parental mental health")
- #2 TS=("mentally ill parent\*")
- #3 TS=("parental psychopathology")
- #4 TS((((parent\* same psychiat\*) or (maternal same psychiat\*) or (paternal same psychiat\*) or (mother\* same psychiat\*) or (father\* same psychiat\*) or (parent\* same depression) or (maternal same depression) or (paternal same depression) or (mother\* same depression) or (father\* same depression) or (parent\* same mental\*) or (maternal same mental\*) or (paternal same mental\*) or (mother\* same mental\*) or (father\* same mental\*))))
- #5 TS((((postnatal next depression) or (post next natal next depression) or (postpartum next depression) or (post next partum next depression))))
- #6 TS((((parent\* same "substance abuse") or (maternal same "substance abuse") or (paternal same "substance abuse") or (mother\* same "substance abuse") or (father\* same "substance abus\*") or (parent\* same "drug abus\*") or (maternal same "drug abus\*") or (paternal same "drug abus\*") or (mother\* same "drug abus\*") or (father\* same "drug abus\*") or (parent\* same alcohol\*) or (maternal same alcohol\*) or (paternal same alcohol\*) or (mother\* same alcohol\*) or (father\* same alcohol\*))))
- #7 TS(((parent\* same "substance misuse\*") or (maternal same "substance misuse\*") or (paternal same "substance misuse\*") or (mother\* same "substance misuse\*") or (father\* same "substance misuse\*") or (parent\* same "drug misuse\*") or (maternal same "drug misuse\*") or (paternal same "drug misuse\*") or (mother\* same "drug misuse\*") or (father\* same "drug misuse\*")))
- #8 TS(((parent\* same "personality disorder\*") or (maternal same "personality disorder\*") or (paternal same "personality disorder\*") or (mother\* same "personality disorder\*") or (father\* same "personality disorder\*")))
- #9 #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1.

## Appendix 2 Literature reviews identified from SCIE map and used for reference checking

1. Beardslee, W. and Knitzer, J. (2004) 'Mental health services: a family systems approach', in *Investing in children, youth, families, and communities: Strengths-based research and policy*, American Psychological Association, pp 157-71.
2. Beardslee, W.R. and Gladstone, T.R.G. (2001) 'Prevention of childhood depression: recent findings and future prospects', *Biological Psychiatry*, vol 49, no 12, 1101-10.
3. Beeber, L.S. and Miles, M.S. (2003) 'Maternal mental health and parenting in poverty', *Annual Review of Nursing Research*, vol 31, no 123, 303-31.
4. Brunette, M.F. and Dean, W. (2002) 'Community mental health care for women with severe mental illness who are parents', *Community Mental Health Journal*, vol 38, no 2, 153-65.
5. Budd, K.S. (2005) 'Assessing parenting capacity in a child welfare context', *Children and Youth Services Review*, vol 27, no 4, 429-44.
6. Craig, E.A. (2004) 'Parenting programs for women with mental illness who have young children: a review', *Australian and New Zealand Journal of Psychiatry*, vol 38, no 11-12, 923-28.
7. Dearden, C. and Becker, S. (1999) 'The experiences of young carers in the UK: the mental health issues', *Mental Health Care*, vol 2, no 8, 273-76.
8. Devlin, J.M. and O'Brien, L.M. (1999) 'Children of parents with mental illness I: an overview from a nursing perspective', *Australian and New Zealand Journal of Mental Health Nursing*, vol 8, no 1, 19-29.
9. Duncan, S., Reder, P. and Lucey, C. (2003) 'How do mental health problems affect parenting?', in *Studies in the assessment of parenting*, Hove: Brunner-Routledge, 320.
10. Elgar, F.J., McGrath, P.J., Waschbusch, D.A., Stewart, S.H. and Curtis, L.J. (2004) 'Mutual influences on maternal depression and child adjustment problems', *Clinical Psychology Review*, vol 24, no 4, 441-59.
11. Falkov, A. (1997) *Parental psychiatric disorder and child maltreatment. Part 1: Context and historical overview.*
12. Falkov, A. (1997) *Parental psychiatric disorder and child maltreatment. Part II: Extent and nature of the association.*
13. Foster, K., O'Brien, L. and McAllister, M. (2004) 'Addressing the needs of children of parents with a mental illness: current approaches', *Contemporary Nurse*, vol 18 no 1-2, 67-80.

14. Gladstone, T.R.G., Beardslee, W.R., Goodman, S.H. and Gotlib, I.H. (2002) 'Treatment, intervention and prevention with children of depressed parents: a developmental perspective', in *Children of depressed parents: Mechanisms of risk and implications for treatment*, Washington: American Psychological Association.
15. Gross, D. (1989) 'At risk. Children of the mentally ill', *Journal of Psychosocial Nursing and Mental Health Services*, vol 27, no 8, 14-19.
16. Herring, M. and Nadine, K.J. (2002) 'Depression and attachment in families: a child-focused perspective', *Family Process*, vol 41, no 3, 494-518.
17. Lawson, W.B. and Kennedy, C. (2002) 'Role of the severely mentally ill in the family', in *Psychiatric illness in women: Emerging treatments and research*. Washington DC: American Psychiatric Publishing Inc, pp 319-30.
18. Leverton, T.J. (2003) 'Parental psychiatric illness: the implications for children', *Current Opinion in Psychiatry*, vol 16, no 4, 395-402.
19. MacDonald, G. (2003) 'Efficacy of group interventions with seriously mentally ill parents: a literature review', in *Crossing boundaries and developing alliances through group work*, New York: Haworth Press Inc, pp 167-92.
20. Mordoch, E. and Hall, W.A. (2002) 'Children living with a parent who has a mental illness: a critical analysis of the literature and research implications', *Archives of Psychiatric Nursing*, vol 16, no 5, 208-16.
21. Mowbray, C.T., Oyserman, D., Bybee, D. and Frese, F.J. (2000) 'Mothers with serious mental illness', in *The role of organized psychology in treatment of the seriously mentally ill*, San Francisco, CA: Jossey-Bass, pp 73-91.
22. Oyserman, D., Mowbray, C.T. and Zemencuk, J.K. (1994) 'Resources and supports for mothers with severe mental illness', *Health and Social Work*, vol 19, no 2, 132-42.
23. Phares, V., Duhig, A.M., Watkins, M., Goodman, S.H. and Gotlib, I.H. (2002) 'Family context: fathers and other supports', in *Children of depressed parents: Mechanisms of risk and implications for treatment*, Washington DC: American Psychological Association, pp 203-25.
24. Royal College of Psychiatrists (2002) *Patients as parents. Addressing the needs, including the safety, of children whose parents have mental illness*, London: Royal College of Psychiatrists.
25. Sexson, S.B., Glanville, D.N. and Kaslow, N.J. (2001) 'Attachment and depression: implications for family therapy', *Child and Adolescent Psychiatric Clinics of North America*, vol 10, no 3, 465-86.
26. Sheehan, R. (2001) 'Icarus project: reflections from down under', *Social Work in Europe*, vol 8, no 1, 54-61.
27. Smith, M. (2004) 'Parental mental health: disruptions to parenting and outcomes for children', *Child and Family Social Work*, vol 9, no 1, 3-11.

28. Styron, T.H., Pruetz, M.K., McMahon, T.J. and Davidson, L. (2002) 'Fathers with serious mental illnesses: a neglected group', *Psychiatric Rehabilitation Journal*, vol 25, no 3, 215-22.
29. Tanner, D. (2000) 'Crossing bridges over troubled waters? Working with children of parents experiencing mental distress', *Social Work Education*, vol 19, no 3, 287-97.
30. Tunnard, J. (2004) 'Parental mental health problems: messages from research', *Policy and Practice*.
31. Van Doesum, K.T.M., Hosman, C.M.H. and Riksen-Walraven, J.M. (2005) 'A model-based intervention for depressed mothers and their infants', *Infant Mental Health Journal*, vol 26, no 2, 157-76.
32. Zahn-Waxler, C., Duggal, S., Gruber, R. and Bornstein, M.H. (2002) 'Parental psychopathology', in *Handbook of parenting: 4: Social conditions and applied parenting* (2nd ed), Mahwah, NJ: Lawrence Erlbaum Associates, pp 295-327.

## Appendix 3 Forward citation search results

**Table A3.1: Results of forward citation searches on publications included in review one question two (identification and detection studies)**

Publications included in review	Found in Ovid search	Number of citations found in Ovid	Number of citations found in CSA	Number of citations of possible usefulness not already identified <sup>1</sup>
Anderson et al, 2006	Yes	2	0	0
Bibou-Nakou, 2003	No	-	0	0
Bibou-Nakou, 2004	Yes	2	0	0
Biebel et al, 2004	Yes	0	0	0
Feinberg et al, 2006	Yes	0	0	0
Flynn et al, 2004	Yes	5	2	0
Fudge and Mason, 2004	Yes	3	0	1
Glibert et al, 2002	No	-	0	0
Gilliam et al, 2003	No	-	0	0
Gross and Semprevivo, 1989	Yes	0	0	0
Heneghan et al, 2004	Yes	10	0	2
Heneghan et al, 2006	No	0	0	0
Iddamalgoda and Naish, 1999	No	-	0	0
Kemper et al, 1994	No	-	0	0
Maybery and Reupert, 2006	Yes	3	0	3
Mc-Cue Horowitz et al, 2007	Yes	2	0	1
Needlman et al, 1999	Yes	0	0	0
Nicholson et al, 1993	Yes	5	3	1
Olson et al, 2006	Yes	2	0	0
Olson et al, 2002	Yes	12	0	2
Sheppard, 1997	Yes	1	1	0
Slattery, nd	No	-	0	0
Vanharen et al, 1993	Yes	1	1	0
Total	16	48	7	10

1. Checked against output from original SCIE search, SCIE map, SCO Online and updating searches



References identified from review one question two references as possibly useful via forward citation searches and the review question to which they might be relevant

Brown, J.D., Wisow, L.S. and Riley, A.W. (2007) 'Physician and patient characteristics associated with discussion of psychosocial health during pediatric primary care visits', *Clinical Pediatrics*, vol 46, no 9, 812-20. (R1Q2)

(x2) Connelly, C.D., Baker, M.J., Hazen, A.L. and Mueggenborg, M.G. (2007) 'Pediatric health care providers' self-reported practices in recognizing and treating maternal depression', *Pediatric Nursing*, vol 33, no 2, 165-72. (R1Q2)

Kessler, M.L. and Ackerson, B. (2004) 'Wraparound services: an effective intervention for families impacted by severe mental illness', *Journal of Family Social Work*, vol 8, no 4, 29-45. (R2Q2)

Knutsson-Medin, L., Edlund, B. and Ramklint, M. (2007) 'Experiences in a group of grown-up children of mentally ill parents', *Journal of Psychiatric and Mental Health Nursing*, vol 14, no 8, 744-52. (R2Q1)

Korhonen, T., Vehvilainen-Julkunen, K. and Pietila, A-M. (2008) 'Implementing child-focused family nursing into routine adult psychiatric practice: hindering factors evaluated by nurses', *Journal of Clinical Nursing*, vol 17, no 4, 499-508. (R2Q1)

(x2) Olson, A.L., Dietrich, A.J., Prazar, G., Hurley, J., Tuddenham, A., Hedberg, V. et al (2005) 'Two approaches to maternal depression screening during well child visits', *Journal of Developmental and Behavioral Pediatrics*, vol 26, no 3, 169-76. (R1Q2)

Phelan, R., Lee, L., Howe, D. and Walter, G. (2006) 'Parenting and mental illness: a pilot group programme for parents', *Australasian Psychiatry*, 14, 4, 399-402. (R2Q2)

Ruepert, A. and Maybery, D. (2007) 'Families affected by parental mental illness: a multiperspective account of issues and interventions', *American Journal of Orthopsychiatry*, vol 77, no 3, 363-69. (R2Q2)

## Appendix 4 Data extraction headings

### Data extracted for review one question one

#### Study details

- Aim of study
- Study design
- Population
- Nature of sample sought
- How sample identified or sampled
- Size of original sample
- Sample size actually studies
- Follow-up rate.

#### Ascertainment

- How was parenting ascertained?
- Who reported parenting status?
- How was diagnosis ascertained?
- Who ascertained diagnosis?
- Diagnostic criteria used
- Direct collection of data?

#### Results

- Sample age
- Sample gender
- Sample marital status
- Sample SES
- Sample ethnicity
- Prevalence figures
- Incidence figures
- Any adjustment of figures?

## Data extracted for review one question two

### Study details

- Aim of study
- Study design
- Population
- Nature of sample sought
- How sample was identified or sampled
- Sample characteristics
- Size of original sample
- Sample size actually studied
- Response rate/ follow-up rate
- Country
- Comments.

### Identification processes

- Who was being identified?
- Objectives of identification
- Who was doing identification?
- Where?
- Method used
- How recorded
- Comments.

### Outcomes

Adults' or children's views about need to be identified  
Level of identification achieved  
Did identification lead to intervention?  
Evidence about factors that increase identification  
Evidence about factors that decrease identification  
Opinions about factors that increase identification  
Opinions about factors that decrease identification  
Recommendations of research subjects  
Recommendations of researchers  
Comments.

## Appendix 5 Quality assessment framework

### Quality assessment questions used for review one question one

- Geographically and temporally defined population
- Complete, random<sup>1</sup> or consecutive recruitment
- Response rate or follow-up rate of 70 per cent or more
- Representativeness of sample demonstrated or justified<sup>2</sup>
- Use of defined diagnostic criteria
- Use of validated instruments for diagnosis.

1. Stratified or non-stratified.
2. Could include weighting to restore representativeness.

### Quality assessment questions used for quantitative studies used for review one question two (Petticrew and Roberts, 2006)

#### Sample

- What is the response rate?
- Is the denominator reported?
- Is the sample surveyed representative (of the population to whom results will be generalised)?

#### Analysis

- Is the study large enough? (for example, sample size justification or discussion of statistical power)
- Is there adequate description of the data? (including tables and summary statistics describing the sample, and adequate information on the results of any analyses)
- Is there evidence of multiple statistical testing, or large numbers of post-hoc analyses?
- Are the statistical analyses appropriate?
- Is there evidence of any other biases? (for example, funding bias).

## Appendix 6 Reanalysis of published data to generate prevalence figures related to PMHPs

Tables A6.1 to A6.4 overleaf.

**Table A6.1: Reanalysis based on Meltzer et al (1995)**

		Women			Prevalence of MHPs among parents		
	Family unit type	With CIS-R score 12+	Without CIS-R score 12+	All	% with CIS-R score 12+	% without CIS-R score 12+	%
1993/4 OPCS Survey	Couple, no child	188	1,154	1,342	14.01	85.99	100.00
	Couple, children	352	1,605	1,957	17.99	82.01	100.00
	Lone parent, children	141	361	502	28.09	71.91	100.00
	One person only	136	457	593	22.93	77.07	100.00
	Adults with parents	51	373	424	12.03	87.97	100.00
	Adults with one parent	20	95	115	17.39	82.61	100.00
	All	888	4,045	4,933	18.00	82.00	100.00
	%				<b>Prevalence of PMHPs among all women</b>		
Prevalence of parenthood among adults with MHPs	Couple, no child	21.17	28.53	27.20	3.81		
	Couple, children	39.64	39.68	39.67	7.14		
	Lone parent, children	15.88	8.92	10.18	2.86		
	One person only	15.32	11.30	12.02	2.76		
	Adults with parents	5.74	9.22	8.60	1.03		
	Adults with one parent	2.25	2.35	2.33	0.41		
	All	100.00	100.00	100.00			

		Men			Prevalence of MHPs among parents		
		With CIS-R score 12+	Without CIS-R score 12+	All	%	%	%
1993/4 OPCS Survey	Couple, no child	124	1,113	1,237	10.02	89.98	100.00
	Couple, children	217	1,757	1,974	10.99	89.01	100.00
	Lone parent, children	13	50	63	20.63	79.37	100.00
	One person only	116	608	724	16.02	83.98	100.00
	Adults with parents	46	618	664	6.93	93.07	100.00
	Adults with one parent	26	172	198	13.13	86.87	100.00
	All	542	4,318	4,860	11.15	88.85	100.00
	%				<b>Prevalence of PMHPs among all men</b>		
Prevalence of parenthood among adults with MHPs	Couple, no child	22.88	25.78	25.45	2.55		
	Couple, children	40.04	40.69	40.62	4.47		
	Lone parent, children	2.40	1.16	1.30	0.27		
	One person only	21.40	14.08	14.90	2.39		
	Adults with parents	8.49	14.31	13.66	0.95		
	Adults with one parent	4.80	3.98	4.07	0.53		
	All	100.00	100.00	100.00			

**Table A6.2: Reanalysis based on Singleton et al (2001)**

		Women			Prevalence of MHPs among parents			
	Family unit type	With neurotic disorder	Without neurotic disorder	All	% with neurotic disorder	% without neurotic disorder	%	
2000 ONS Survey	Couple, no child	278	1,168	1,446	19.23	80.77	100.00	
	Couple, children	307	1,356	1,663	18.46	81.54	100.00	
	Lone parent, children	125	301	426	29.34	70.66	100.00	
	One person only	182	565	747	24.36	75.64	100.00	
	Adults with parents	10	75	85	11.76	88.24	100.00	
	Adults with one parent	67	301	368	18.21	81.79	100.00	
	All	969	3,766	4,735	20.46	79.54	100.00	
	%				<b>Prevalence of PMHPs among all women</b>			
Prevalence of parenthood among adults with MHPs	Couple, no child	28.69	31.01	30.54	5.87			
	Couple, children	31.68	36.01	35.12	6.48			
	Lone parent, children	12.90	7.99	9.00	2.64			
	One person only	18.78	15.00	15.78	3.84			
	Adults with parents	1.03	1.99	1.80	0.21			
	Adults with one parent	6.91	7.99	7.77	1.41			
	All	100.00	100.00	100.00	20.46			



		Men			Prevalence of MHPs among parents			
		With neurotic disorder	Without neurotic disorder	All	%	%	%	
2000 ONS Survey	Couple, no child	148	1,057	1,205	12.28	87.72	100.00	
	Couple, children	203	1,123	1,326	15.31	84.69	100.00	
	Lone parent, children	22	33	55	40.00	60.00	100.00	
	One person only	121	528	649	18.64	81.36	100.00	
	Adults with parents	11	165	176	6.25	93.75	100.00	
	Adults with one parent	49	429	478	10.25	89.75	100.00	
	All	554	3,335	3,889	14.25	85.75	100.00	
	%				Prevalence of PMHPs among all men			
Prevalence of parenthood among adults with MHPs	Couple, no child	26.71	31.69	30.98	3.81			
	Couple, children	36.64	33.67	34.10	5.22			
	Lone parent, children	3.97	0.99	1.41	0.57			
	One person only	21.84	15.83	16.69	3.11			
	Adults with parents	1.99	4.95	4.53	0.28			
	Adults with one parent	8.84	12.86	12.29	1.26			
	All	100.00	100.00	100.00	14.25			

		All adults			Prevalence of MHPs among parents		
	Family unit type	With probable psychotic disorder	Without probable psychotic disorder	All	% with probable psychotic disorder	% without	All
2000 ONS Survey	Couple, no child	13	2,641	2654	0.49	99.51	100.00
	Couple, children	10	2,982	2992	0.33	99.67	100.00
	Lone parent, children	4	426	430	0.93	99.07	100.00
	One person only	26	1,363	1389	1.87	98.13	100.00
	Adults with parents	3	256	259	1.16	98.84	100.00
	Adults with one parent	4	852	856	0.47	99.53	100.00
	All	60	8,520	8580	0.70	99.30	100.00
	%				Prevalence of PMHPS among all adults		
Prevalence of parenthood among adults with MHPs	Couple, no child	21.67	31.00	30.93	0.15		
	Couple, children	16.67	35.00	34.87	0.12		
	Lone parent, children	6.67	5.00	5.01	0.05		
	One person only	43.33	16.00	16.19	0.30		
	Adults with parents	5.00	3.00	3.02	0.03		
	Adults with one parent	6.67	10.00	9.98	0.05		
	All	100.00	100.00	100.00	0.70		

**Table A6.3: Reanalysis based on Cox et al (1987)**

		Women with children under 16				Prevalence of MHPs among women with children under 16		
	Family unit type	With neurotic disorder	Without neurotic disorder	All	All women with GHQ score	% with neurotic disorder	% without neurotic disorder	%
HALS 1984/5	Single, aged 18-29	30	21	51		58.82	41.18	100.00
	30-39	31	35	66		46.97	53.03	100.00
	40-49	16	17	33		48.48	51.52	100.00
	<i>all single</i>	77	73	150		51.33	48.67	100.00
	Married/cohab 18-29	108	161	269		40.15	59.85	100.00
	30-39	167	453	620		26.94	73.06	100.00
	40-49	83	186	269		30.86	69.14	100.00
	<i>all married/cohab</i>	358	800	1,158		30.92	69.08	100.00
	<b>All</b>	<b>435</b>	<b>873</b>	<b>1,308</b>		<b>33.26</b>	<b>66.74</b>	<b>100.00</b>
						<b>Prevalence of PMHPs among all women 18-49</b>		
Prevalance of parenthood among adults with MHPs	Single, aged 18-29	30	21	51		1.65		
	30-39	31	35	66		1.71		
	40-49	16	17	33		0.88		
	Married/cohab 18-29	108	161	269		5.95		
	30-39	167	453	620		9.21		
	40-49	83	186	269		4.58	23.98	
	Other women 18-49	303	203	506		16.70		
	<b>All women 18-49</b>	<b>738</b>	<b>1076</b>	<b>1814</b>		40.68	40.68	

	<b>All women with GHQ</b>				<b>3,606</b>			
	%							
	Single, aged 18-29	4.07	1.95	2.81				
	30-39	4.20	3.25	3.64				
	40-49	2.17	1.58	1.82				
	Married/cohab 18-29	14.63	14.96	14.83				
	30-39	22.63	42.10	34.18				
	40-49	11.25	17.29	14.83				
	Other women 18-49	41.06	18.87	27.89				
	<b>All</b>	100.00	100.00	100.00				

**Table A6.4: Reanalysis based on Paykel et al (2001)**

		All adults with 3 or more children			Prevalence of MHPs among adults with 3 or more children					
		Caseness on PSE/PSF	Non-case	All		% case	% not case	%		
1946 birth cohort study - Paykel	Age 36	52	769	821		6.33	93.67	100.00		
	Age 43	61	760	821		7.43	92.57	100.00		
Prevalence of adults with 3 or more children among adults with MHPs	3+ children 36	52	769	821						
	All adults at 36	172	2,718	2,890						
	%	30.23	28.29	28.41						
	3+ children 43	61	760	821						
	All adults at 43	174	2,716	2,890						
	%	35.06	27.98	28.41						
		case 36 only	case 43 only	case both	case neither			case 36	case 43	
	3+ children	31	40	21	729	821		52	61	
	not	91	84	29	1,865	2,069		120	113	
	all adult cases	122	124	50	2,594	2,890		172	174	
		<b>Prevalence of adults with 3+ children and MHPs among all adults</b>								
	age 36	1.80								
	age 43	2.11								

## Appendix 7 References to diagnostic instruments used in selected studies

### CIS-R

Lewis, G., Pelosi, A.J., Araya, R. and Dunn, G. (1992) 'Measuring psychiatric disorder in the community: a standardized assessment for use by lay interviewers', *Psychological Medicine*, vol 22, 465-86.

### Diagnostic interview schedule

Robins, L.N., Helzer, J.E., Croughan, J. and Ratcliff, K.S. (1981) 'National Institute of Mental Health Diagnostic Interview Schedule: its history, characteristics and validity', *Archives of General Psychiatry*, vol 38, 381-89.

### GHQ

Goldberg, D.P. (1972) *The detection of psychiatric illness by questionnaire*, Maudsley Monograph No 21, Oxford: Oxford University Press.

Goldberg, D. and Williams, P. (1988) *A user's guide to the GHQ*, Windsor: NFER-Nelson.

### HADS

Zigmond, A.S. and Snaith, R.P. (1983) 'The hospital anxiety and depression scale', *Acta Psychiatrica Scandinavica*, vol 67, 361-70.

### PHQ

Spitzer, R.L., Kroenke, K., Williams, J.B.W. and the Patient Health Questionnaire Primary Care Study Group (1999) 'Validation and utility of a self-report version of PRIME-MD: the PHQ primary care study', *JAMA*, vol 282, 1737-44.

### PSE

Wing, J.K., Cooper, J. and Sartorius, N. (1974) *Measurement and classification of psychiatric symptoms*, Cambridge: Cambridge University Press.

## PSQ

Bebbington, P.E. and Nayani, T. (1995) 'The psychosis screening questionnaire', *International Journal of Methods in Psychiatric Research*, vol 5, 11-20.

## RAND Screening Instrument

Burnam, M.A., Wells, K.B., Leake, B. and Landsverk, J. (1988) 'Development of a brief screening instrument for detecting depressive disorders', *Medical Care*, vol 26, no 8, 775-89.

## SCAN

Wing, J.K., Babor, T., Brugha, T., Burke, J., Cooper, J.E., Giel, R., Jablenski, A., Regier, D. and Sartorius, N. (1990) 'SCAN. Schedules for clinical assessment in neuropsychiatry', *Archives of General Psychiatry*, vol 47, 589-93.

## SCID-II

Spitzer, R.L., Williams, J.B.W., Gibbon, M. and First, M.B. (1990) *User's guide for the Structured Clinical Interview for DSM-III-R (SCID)*, Washington, DC: American Psychiatric Press.

## Appendix 8 Prevalence detailed results

**Table A8.1: Prevalence and incidence of parental mental health problems in general population studies**

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
<b>Nationally representative sample surveys</b>			
Macran et al, 1996	Not reported directly	n/a	Regression model controlled for SES, employment status, household circumstances (including presence of dependent children -dc), household income and age. Comparison category was couple and no children. <b>Couple and dc:</b> coef - 0.51, p=.002 <b>Lone mother and dc:</b> coef +.56, p<.001.
Meltzer et al, 1995*	% (SE) with CIS-R grouped score. <b>Women: score under 12</b> , couple and children 82% (1), lone parent and children 72% (2); <b>score 12+</b> couple and children 18% (1), lone parent and children 28% (2). <b>Men: score under 12</b> , couple and children 89% (1), lone parent and children 80% (5); <b>score 12+</b> couple and children 11% (1), lone parent and children 20% (5).	Prevalence of any neurotic disorder - rate per 1000 population in past week (SE) <b>Women:</b> couple and children 190 (10); lone parent and children 288 (17). <b>Men:</b> couple and children 120 (8); lone parents and children 219 (53). Prevalence of functional psychoses - rate per thousand in past 12m (SE) <b>Women:</b> couple and children 6(2), lone parent and children 12 (4). <b>Men:</b> couple and children 2 (2), lone parent and children 0.	Logistic regression produces odds ratios for demographic correlates of main categories of disorders, adjusted for age, sex, social class, employment status, and urban/rural residence. Comparison category was couple and no children. <b>Lone parents</b> adjusted OR (95% CI): depressive episode, 2.60 (1.60-4.26), p<.01; mixed anxiety and depressive disorder 1.48 (1.12-1.94) p<.01. These are the only family type sig diffs.



Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
Jenkins et al, 1997*		Overall one week prevalence of any neurotic disorder - cases per 1000 (95% CI): <b>Couple with children</b> (N=3925) 155 (141-169); <b>Lone parent</b> (N=562) 281 (249-313).	As above. Adjusted OR (95% CI) for any neurotic disorder: <b>Couple with children</b> 1.01 (0.86-1.20); <b>Lone parent</b> 1.74 (1.41 - 2.16). Crude ORs 1.21 (1.04-1.40) and 2.88 (2.38-3.48) respectively.
Meltzer et al, 2003*	Lone parents made up 6% of the total sample but 10% of all those with common mental disorder and 12% of those with a disabling common mental disorder. Disabling defined as diagnosis of 'neurosis' plus not getting on with things used to do or would like to do and also reporting difficulty in at least one specific activity of daily living.		Multiple regression models generated ORs, controlling for accommodation, tenure, car ownership, age left school, work status and social class. Comparison category of couple no children. <b>Lone parent and children</b> OR neurotic disorder (95% CI) 1.43 (1.18-1.74) p<.05; OR disabling disorder 1.97 (1.10-3.55) p<.05; <b>Couple plus children</b> 1.14 (0.77-1.69) ns and 1.79 (0.99-3.22) ns respectively.
Targosz et al, 2003*	Depressive episode: <b>lone mothers</b> 7%, <b>supported mothers</b> 2.5%, <b>other women</b> 1.9%. Mixed anxiety/depression: <b>lone mothers</b> 14.6%, <b>supported mothers</b> 11.2%, <b>other women</b> 8.4%. One neurotic disorder: <b>lone mothers</b> 23.2%, <b>supported mothers</b> 18.0%, <b>other women</b> 15.4%. Two or more disorders: <b>lone mothers</b> 6.5%, <b>supported mothers</b> 1.8%, <b>other women</b> 2.7%.		Logistic regressions using depressive episode and then anxiety/depression as response variables, entering motherhood group and demographic and stress and support variables. Results suggest that 'the excess of depressive conditions in lone mothers is very largely associated with the range and levels of disadvantage they experience' (p.719). 'Age, ethnicity and social class were noticeably not required in either model' (ibid).

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
Singleton et al, 2001**	<p>Family unit type by any (or no) neurotic disorder:  <b>Women: couple and children 32% (36%) lone parent and children 13% (8%).</b>  <b>Men: couple and children 37% (34%), lone parent and children 4% (1%).</b>  <b>All adults: couple and children 34% (35%), lone parent and children 9% (4%).</b></p> <p>Family unit type by probable (or no) psychotic disorder:  <b>All adults couple and children 17% (35%), lone parent and children 7% (5%).</b>            No separate results for men and women.</p> <p>Personality disorder results not reported here.</p>		Weighting of data to take account of different selection probabilities and to compensate for non-response using post-stratification.
Singleton and Lewis, 2003**		<p>'Episode onset'<sup>1</sup> - % of non-cases at T1 who were cases at T2. % and <b>unadjusted OR (95% CI)</b>, comparison category couple no child.  <b>Women:</b> couple and children 7%, 1.18 (0.60-2.32) ns; lone parent and children 6%, 0.87 (0.38-2.01) ns.  <b>Men:</b> couple and children 6% 1.21 (0.54-2.75) ns; lone parent and children [1%] 1.89, (0.21-16.70) ns.  <b>Adjusted OR</b> (adjusted for ethnicity, area type,</p>	<p>Episode onset' - % of non-cases at T1 who were cases at T2. % and <b>unadjusted OR (95% CI)</b>, comparison category couple no child.  <b>Women:</b> couple and children 7%, 1.18 (0.60-2.32) ns; lone parent and children 6%, 0.87 (0.38-2.01) ns.  <b>Men:</b> couple and children 6% 1.21 (0.54-2.75) ns; lone parent and children [1%] 1.89, (0.21-16.70) ns.  <b>Adjusted OR</b> (adjusted for ethnicity, area type, qualifications, marital status at T1, household size at T1).</p>

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
		<p>qualifications, marital status at T1, household size at T1).</p> <p><b>Women:</b> couple and children 0.79 (0.36-1.74) ns; lone parent and children 0.56 (0.21-1.51) ns.</p> <p><b>Men:</b> couple and children 0.98 (0.45-2.11) ns; lone parent and children 1.75 (0.20-15.71) ns.</p>	<p><b>Women:</b> couple and children 0.79 (0.36-1.74) ns; lone parent and children 0.56 (0.21-1.51) ns.</p> <p><b>Men:</b> couple and children 0.98 (0.45-2.11) ns; lone parent and children 1.75 (0.20-15.71) ns.</p>
Cox et al, 1987	<p>Women with dependent children (under 16). Mean (SEM) GHQ score. <b>single:</b> age 18-29 7.57 (.86); age 30-39 6.20 (.84); 40-49 7.39 (1.35). <b>Married or cohabiting:</b> age 18-29 5.02 (.36); 30-39 3.56 (.20); 40-49 3.93 (.33). Percentage over GHS cut-off. <b>Single</b> age 18-29 59%, 30-39 47%, 40-49 49%. <b>Married or cohabiting</b> age 18-29 40%, 30-39 27%, 40-49 31%.</p>		No, but representative sample.
Meltzer et al, 2000	<p>Parents (over 95% mothers). 25% had GHQ-12 scores of 3 or more. 75% 0-2, 13% 3-5, 7% 6-8, 5% 9-12. 47% of parents whose child had a mental disorder had GHQ-12 scores of 3 or more compared to 23% of those whose child did not have a disorder.</p>		No, but based on nationally representative sample of children.
<b>Longitudinal cohort studies</b>			
Paykel et al, 2001***	<p>Caseness for those with 3+ children: age 36 only 25.2%; age 43 only 32.4%; age 36 and 43 41.5%; neither 28.1%, <math>\chi^2=4.9</math>, df 3, ns. OR with</p>		Subsequent multiple regression did not include family size because ns in bivariate analysis. However, gender was highly

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
	comparison category those with 1 or 2 children: onset OR 1.2, remission OR 2.1		significant in bivariate analyses (chi-squared = 36.3, df 3, p<.001, onset OR 1.8 (p<.01), remission OR 1.4 ns) but not explored for interaction with family size.
Rodgers, 1991***	Adjusted deviation score on PSE (not described in paper what this actually is). Women: no children at home -.27, children 5yrs and over +0.18, children under 5 years +0.68, p=.051. Case status. Women: no children at home (comparison category) B (is this the odds ratio?) = 0, children 5 yrs and over 0.88 (95% CI 1.14-5.05), children under 5 years 0.99 (95% CI 1.16-6.23), p=.03. Table 5 is rather difficult to understand.		Multi-variate analysis using GLM and logistic regression but reported only in text and with no actual statistics results, just levels of significance.
Weich et al, 2003****	Unadjusted ORs (95% CI) for associations between common mental disorders and household level exposures: <b>couple with dependent children</b> 1.17 (1.04-1.31) p=.01; <b>lone parent with dependent children</b> 1.71 (1.34-2.18) p<.001; <b>lone parent with non-dependent children</b> 1.30 (1.00-1.70) p=.05.		ORs (95% CI) for associations between common mental disorders and household level exposures, adjusted for age, gender, individual social class, individual income, employment status, marital status, education, number of physical health problems and financial strain. <b>Couple with dependent children</b> 1.00 (0.87-1.15) p=.95; <b>lone parent with dependent children</b> 0.99 (0.71-1.37), p=.94; <b>lone parent with nondependent children</b> 1.09 (0.80-1.49), p=.59.

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
Weich et al, 1998****	Unadjusted ORs (95% CI) for prevalence of common mental disorders by individual social roles. <b>Men:</b> children <16 years at home 1.23 (1.05-1.44), p=.009; childcare (vs none) shared 1.17 (0.90-1.51) p=.25, all 1.43 (0.77-2.66) p=.26. <b>Women:</b> children <16 years at home 1.27 (1.11-1.45), p,.001; childcare (vs none) shared 1.04 (0.80-1.35), p=.79, all 1.34 (1.16-1.56), p<.001.		ORs (95% CI) for prevalence of common mental disorders adjusted for role load score, responsibility for child care, being a carer, household income, savings, financial difficulties, structural housing problems, number of physical health problems, and disability. <b>Female</b> (vs male) 1.26 (1.14-1.41), p<.001.
Weich et al, 2001****		Future prevalence <sup>2</sup> OR (95%) for prevalence of common mental disorders at t+1 by individual social roles at time t, adjusted for GHQ at time t. <b>Men:</b> children <16 at home 1.18 (1.04-1.34), p=.01; childcare (vs none) shared 1.29 (1.08-1.53), p=.005, all 1.18 (0.85-1.63), p=.32. <b>Women:</b> children <16 at home 1.17 (1.06-1.29) p=.003; childcare (vs none) shared 1.18 (1.01-1.40) p=.04, all 1.14 (1.02-1.28), p=.02.	ORs (95% CI) for future prevalence of common mental disorders (at time t+1), adjusted for GHQ, at time t, role load score, age, responsibility for child care, being a carer, employment, financial difficulties, number of physical health problems and disability at time t. <b>Female</b> (vs male) 1.82 (1.66-1.99), p<.001.
<b>Other studies of populations</b>			
Coleman et al, 1986; Wolkind,1985	4m after birth 10% 'definite' maternal MHP 14m after birth 18% 27m after birth 16% 42m after birth 23% 82m after birth 19%	None given	No

Study	Point prevalence	Incidence, episode onset or period prevalence	Any adjustment for possible confounding variables?
Mortimer et al, 1992	Life-time history of depression for mothers aged 21-45: 21.5%	n/a	No
Thompson et al 1996	27.6% 'maternal disturbance'	n/a	No.

\* Based on same national survey

\*\* Based on same national survey

\*\*\* Based on same national, longitudinal cohort study

\*\*\*\* Based on same national, longitudinal, household panel study

1. Researchers deliberately chose the term 'episode onset' in preference to 'incidence' to reflect the fact that the majority of these episodes are likely to be recurrences, rather than first episodes' (p 18).
2. Future prevalence is not same as incidence, as many respondents were also GHQ 'cases' at time t.

# Addendum

## Note of changes to the scope/extent of the reviews discussed between SPRU and SCIE in May 2007 and agreed in June 2007

### 1. New limitations to the reviews agreed by SCIE and SPRU

#### **a) Parents who are in prison**

Research where the target population is parents in prison will now be excluded. SCIE is currently doing work on children of prisoners which, it was felt, would overlap to some degree to the research we would have been covering.

#### **b) Generic parenting interventions: clarification of SPRU's approach**

Generic parenting interventions will be being used by parents with mental health problems, and evaluations of such interventions do sometimes include measures of parental mental health. Two reviews of the effectiveness of parenting interventions have recently been published. We will only include evaluations of generic parenting interventions when the intervention has been applied/ targeted at parents with mental health problems and/or parents at risk of mental health problems

#### **c) Interventions initially delivered within the six months of birth**

Some post-natal interventions continue over a number of months, even years, and are also evaluated over a lengthy period of time. However, if the intervention/service was first delivered within the first six months post delivery they will be excluded from the review.

### 2. Additional limitations to retrieval agreed between SCIE and SPRU

#### **a) Books and book chapters**

##### *Epidemiology searches*

Searches carried out and books and book chapters already retrieved. We will not retrieve further books/book chapters referenced in reference lists unless they appear to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.

##### *Social Care Online*

We will not retrieve books or book chapters unless appears to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.

#### *Other sources*

Sources of evidence may be recommended to us by expert sources or we may come across them via other miscellaneous routes. We will not retrieve books or book chapters unless appears to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.

#### *The Australian review*

This has been quickly reviewed and did not appear to contain much new/relevant material. This will now be properly checked. In terms of books or book chapters, we will not retrieve unless they appear to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.

#### *Updating of SCIE searches*

We will not retrieve books or book chapters unless appears to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.

#### *Reference lists of included studies*

See below.

### **b) Reference lists of included studies**

We will be checking reference lists of included studies. A note will be made of all references which appear to be potentially relevant. These will be checked to see if they have already been screened by SCIE or SPRU. Those not already identified by SCIE or SPRU will be rechecked, where possible by also viewing the abstract, by two members of the research team. The researchers will then make a decision whether or not to retrieve each item. Books or book chapters will not be retrieved unless they appear to be a critical text (indicated by authorship, title, and possibly abstract). A note will be made of the rationale for retrieving.