

# Best Evidence Summaries of Topics in Mental Healthcare

**BEST** *in* **MH** *clinical question-answering service*

## Question

For people identified as experiencing a first episode of psychosis, how effective are family-based interventions compared with any other or no intervention in improving all recovery outcomes?

## Clarification of question using *PICO* structure

*Patients:* People identified as experiencing a first episode of psychosis  
*Intervention:* Family-based interventions  
*Comparator:* Any other or no intervention  
*Outcome:* All recovery outcomes

## Plain language summary

Only one suitably designed research project has looked exclusively at a family intervention for people experiencing a first episode of psychosis. The results showed no benefit of family intervention on any recovery outcomes, but we don't know if this is accurate or misleading because of weaknesses in the study.

## **Clinical and research implications**

One small, poor quality randomised controlled trial, with a high drop-out rate, found that a brief educational and advice intervention for carers of people experiencing first episode psychosis had no significant effect on outcomes for patients or carers. However, the findings of this study are unlikely to be reliable and further research is needed to adequately assess the effects of the range of family-based interventions available on outcomes for people with first episode psychosis.

## **What does the evidence say?**

### ***Number of included studies/reviews (number of participants)***

We identified one small randomised controlled trial (RCT) which was considered to have some relevance to this evidence summary. The trial compared a brief educational and advice intervention for carers of people experiencing first episode psychosis to treatment as usual (of informal, non-systematic carer support). Measurement of patient outcomes was limited to time spent in hospital during the nine month study and carers' perceptions of the severity of illness. Carers' experience of strain and satisfaction with services were also measured.

### ***Main findings***

The study found no statistically significant differences between the intervention and control groups for any of the patient or carer outcomes assessed. Fewer than half of the carers in the intervention group completed the intervention.

### ***Authors' conclusions***

The authors concluded that the support and advice intervention for carers had little impact on their satisfaction or on patients' outcomes. However, it was noted that failure to complete the intervention threatens the conclusions as the power to show an effect was reduced.

### ***Reliability of conclusions/Strength of evidence***

We were only able to identify one small, poor quality RCT which assessed a brief intervention for carers of people with first episode psychosis. This study had a drop-out rate of over 50% and a number of significant methodological flaws. The findings of this study are unlikely to be reliable and the effects of family based interventions on outcomes for people with first episode psychosis remain unclear.

## **What do guidelines say?**

The Scottish Intercollegiate Guidelines Network (SIGN) guidance, 'Management of schizophrenia' (2013), makes the following comment on the use of family interventions for first episode psychosis:

"Individuals in the first episode of psychosis should receive treatment within the context of a specialist early intervention model of care. This should be multidisciplinary and encompass:

- engagement/assertive outreach approaches
- family involvement and family interventions
- access to psychological interventions and psychologically informed care vocational/educational interventions

- access to antipsychotic medication.” (p.5)

The National Institute of Health and Care Excellence guideline, ‘Psychosis and schizophrenia in children and young people’ (2013) makes the following comment on the subject:

“Treatment options for first episode psychosis:

If the child or young person and their parents or carers wish to try psychological interventions (family intervention with individual CBT) alone without antipsychotic medication, advise that psychological interventions are more effective when delivered in conjunction with antipsychotic medication. If the child or young person and their parents or carers still wish to try psychological interventions alone, then offer family intervention with individual CBT. Agree a time limit (1 month or less) for reviewing treatment options, including introducing antipsychotic medication.” (p.9)

**Date question received:** 19/08/2015  
**Date searches conducted:** 21/08/2015  
**Date answer completed:** 28/08/2015

## References

### ***Randomised controlled trials***

Leavey, G., Gulamhussein, S., Papadopoulos, C., Johnson-Sabine, E., Blizard, B., & King, M. (2004). A randomized controlled trial of a brief intervention for families of patients with a first episode of psychosis. *Psychological Medicine*, 34(03), 423-431.

### ***Guidelines***

The National Institute of Health and Care Excellence. (2013). *Psychosis and schizophrenia in children and young people*. NICE clinical guideline 155. Retrieved at <http://www.nice.org.uk/guidance/cg155/resources/guidance-psychosis-and-schizophrenia-in-children-and-young-people-pdf>

The Scottish Intercollegiate Guidelines Network. (2013). *Management of schizophrenia; A national clinical guideline*. SIGN 131. Retrieved at <http://www.sign.ac.uk/pdf/sign131.pdf>

## Results

### *Randomised controlled trials*

<b>Author (year)</b>	<b>Inclusion criteria</b>	<b>Number of participants</b>	<b>Summary of results</b>	<b>Risk of bias</b>
Leavey et al. (2004)	<p><i>Participants:</i> Patients: People accessing psychiatric services in North London, UK, with a new diagnosis of a psychotic illness according to the International Classification of Illness version 9 (ICD-9). Those whose first episode began over 6 months prior to recruitment were excluded, as were those with a learning difficulty or organic disorder.</p> <p>Carers: Patients were asked to nominate at least one close person whom the researchers could contact, mainly family members (61%).</p> <p><i>Intervention:</i> Seven consecutive weekly one-hour sessions for carers, typically taking place at the carers' home. Sessions were interactive, and covered (a) information-gathering from the carer; (b) an educational element on psychotic illness, symptoms, and early warning signs,</p>	n=106 carers (57 in the treatment group and 49 in the control group)	<p>This study aimed to assess the effects of a brief educational and advice support service for carers of patients with a first episode of psychotic illness.</p> <p>The sociodemographic characteristics of the patients were similar for carers in the intervention and control groups, however, it is not clear whether baseline disease severity was similar. At baseline, 41% of carers in the control group and 42% in the intervention group perceived the illness as severe, however, at the time of first assessment 40 patients in the intervention group compared with 29 in the control group had been admitted to hospital.</p> <p><i>Patient outcomes:</i> In the first four months of follow-up, 6/49 (12%) of patients in the control group and 4/57 (7%) in the intervention group were re-admitted to hospital; further 2 patients in the intervention group were re-admitted between 4 and 9 months. There was no statistically significant difference between the groups in the number of days that patients spent in hospital over the duration of the study. There were no statistically significant differences between</p>	<p>The study used block randomisation, using cards in envelopes sealed at the administration centre by someone who was neither a researcher nor support worker. A second person with no connection to the study randomly selected an envelope to assign allocation.</p> <p>The nature of the intervention precluded blinding of participants and personnel delivering the intervention. The majority of outcomes assessed were self-</p>

<p>treatment, and help-seeking; and (c) coping strategies, problem-solving and communication with the patient.</p> <p><i>Comparator:</i> Treatment as usual, comprised of informal, non-systematic carer support.</p> <p><i>Outcome:</i> Primary outcomes: (i) Carers' satisfaction with psychiatric services, as measured by the Verona Service Satisfaction Questionnaire at 4 and 9 months; (ii) Number of days spent in hospital by patients during the intervention period. Secondary outcomes: (i) Perceived severity of illness, as reported by carers at baseline and at 4 and 9 months; (ii) Strain on carers brought about by the patients' psychotic episode, as measured by the Caregiver Strain Index (CSI) at baseline and at 4 and 9 months.</p>		<p>the groups in carers' perceptions of the severity of patients' illness over time.</p> <p><i>Carer outcomes:</i> There were no statistically significant differences in satisfaction with services between carers in the intervention and control groups at any follow-up point.</p> <p>There was a significant downward trend in the strain experienced by all carers from baseline to nine months. Months. At four months the downward change was reported as being greater for carers in the intervention group (no numerical data provided), however, this difference was not maintained at nine months.</p>	<p>reported measures.</p> <p>Analyses were conducted on an intention-to-treat basis, however, only 24 of the 57 carers in the intervention group completed the intervention and 10 were lost to follow-up by 4 months. Ten carers in the control group were lost to follow-up by 4 months and a further two by 9 months.</p> <p>Full numerical results were not reported for all specified outcome measures.</p>
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**Risk of bias*****Randomised controlled trials***

Study	RISK OF BIAS					
	Random allocation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective Reporting
Leavey 2004						

 Low risk High risk Unclear risk**Search details**

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>Guidelines</i>			
NICE	first episode psychosis family	28	2
<i>Systematic Reviews</i>			
MEDLINE	<ol style="list-style-type: none"> <li>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (91006)</li> <li>2 exp Paranoid Disorders/ (3839)</li> <li>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (189168)</li> <li>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (7385)</li> <li>5 1 or 2 or 3 or 4 (195604)</li> <li>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (3927)</li> <li>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (853)</li> <li>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (34978)</li> <li>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (155989)</li> <li>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept</li> </ol>	4	0

	<p>word, unique identifier] (15552)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13396)</p> <p>12 6 or 7 or 8 or 9 or 10 or 11 (218708)</p> <p>13 5 and 12 (13873)</p> <p>14 (Family\$ adj2 intervention\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (2703)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16009)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13772)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16211)</p> <p>18 exp Family Therapy/ (7856)</p> <p>19 14 or 15 or 16 or 17 or 18 (46736)</p> <p>20 13 and 19 (234)</p> <p>21- 41: Systematic review filter</p> <p>42 20 and 41 (4)</p>		
EMBASE	<p>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (91006)</p> <p>2 exp Paranoid Disorders/ (3839)</p> <p>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary</p>	8	0

	<p>concept word, rare disease supplementary concept word, unique identifier] (189168)</p> <p>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (7385)</p> <p>5 1 or 2 or 3 or 4 (195604)</p> <p>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (3927)</p> <p>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (853)</p> <p>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (34978)</p> <p>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (155989)</p> <p>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (15552)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13396)</p> <p>12 6 or 7 or 8 or 9 or 10 or 11 (218708)</p> <p>13 5 and 12 (13873)</p> <p>14 (Family\$ adj2 intervention\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (2703)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary</p>		
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	<p>concept word, rare disease supplementary concept word, unique identifier] (16009)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13772)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16211)</p> <p>18 exp Family Therapy/ (7856)</p> <p>19 14 or 15 or 16 or 17 or 18 (46736)</p> <p>20 13 and 19 (234)</p> <p>21-41: Systematic review filter</p> <p>42 20 and 41 (8)</p>		
PsycINFO	<p>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (91006)</p> <p>2 exp Paranoid Disorders/ (3839)</p> <p>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (189168)</p> <p>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (7385)</p> <p>5 1 or 2 or 3 or 4 (195604)</p> <p>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (3927)</p> <p>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (853)</p> <p>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol</p>	12	0

	<p>supplementary concept word, rare disease supplementary concept word, unique identifier] (34978)</p> <p>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (155989)</p> <p>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (15552)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13396)</p> <p>12 6 or 7 or 8 or 9 or 10 or 11 (218708)</p> <p>13 5 and 12 (13873)</p> <p>14 (Family\$ adj2 intervention\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (2703)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16009)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13772)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16211)</p> <p>18 exp Family Therapy/ (7856)</p> <p>19 14 or 15 or 16 or 17 or 18 (46736)</p> <p>20 13 and 19 (234)</p> <p>21-41: Systematic review filter</p>		
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	42 20 and 41 (12)		
<i>Primary Studies</i>			
MEDLINE	<p>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (91006)</p> <p>2 exp Paranoid Disorders/ (3839)</p> <p>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (189168)</p> <p>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (7385)</p> <p>5 1 or 2 or 3 or 4 (195604)</p> <p>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (3927)</p> <p>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (853)</p> <p>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (34978)</p> <p>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (155989)</p> <p>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (15552)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13396)</p>	50	1

	<p>12 6 or 7 or 8 or 9 or 10 or 11 (218708)</p> <p>13 5 and 12 (13873)</p> <p>14 (Family\$ adj2 intervention\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (2703)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16009)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13772)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16211)</p> <p>18 exp Family Therapy/ (7856)</p> <p>19 14 or 15 or 16 or 17 or 18 (46736)</p> <p>20 13 and 19 (234)</p> <p>21 limit 20 to "therapy (best balance of sensitivity and specificity)" (50)</p>		
EMBASE	<p>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (91006)</p> <p>2 exp Paranoid Disorders/ (3839)</p> <p>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (189168)</p> <p>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (7385)</p> <p>5 1 or 2 or 3 or 4 (195604)</p> <p>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease</p>	68	1

	<p>supplementary concept word, unique identifier] (3927)</p> <p>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (853)</p> <p>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (34978)</p> <p>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (155989)</p> <p>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (15552)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13396)</p> <p>12 6 or 7 or 8 or 9 or 10 or 11 (218708)</p> <p>13 5 and 12 (13873)</p> <p>14 (Family\$ adj2 intervent\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (2703)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16009)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (13772)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, original title, name of</p>		
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	<p>substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (16211)</p> <p>18 exp Family Therapy/ (7856)</p> <p>19 14 or 15 or 16 or 17 or 18 (46736)</p> <p>20 13 and 19 (234)</p> <p>21 limit 20 to "therapy (best balance of sensitivity and specificity)" (68)</p>		
PsycINFO/CINAHL	<p>1 Schizophrenia, Paranoid/ or Schizophrenia, Disorganized/ or exp Schizophrenia/ or Schizophrenia, Childhood/ or Schizophrenia, Catatonic/ (76390)</p> <p>2 exp Paranoid Disorders/ (0)</p> <p>3 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (159002)</p> <p>4 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)).mp. (10675)</p> <p>5 1 or 2 or 3 or 4 (166672)</p> <p>6 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (3611)</p> <p>7 ((duration or length) adj3 untreat\$).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (737)</p> <p>8 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (9696)</p> <p>9 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (29128)</p> <p>10 (delay\$ adj3 treat\$).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (1955)</p> <p>11 (DUP or premorbid\$ or prodrom\$).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (8932)</p> <p>12 6 or 7 or 8 or 9 or 10 or 11 (49836)</p> <p>13 5 and 12 (14352)</p> <p>14 (Family\$ adj2 intervention\$).mp. [mp=title, abstract, heading word, table of contents, key concepts,</p>	36	1

	<p>original title, tests &amp; measures] (6060)</p> <p>15 (Family adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (32775)</p> <p>16 (Systemic adj2 (therapy or counsel?ing or psycho?education or support)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (1193)</p> <p>17 (Education\$ adj5 (family or relative\$ or carer\$ or parents)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures] (16868)</p> <p>18 exp Family Therapy/ (19814)</p> <p>19 14 or 15 or 16 or 17 or 18 (52757)</p> <p>20 13 and 19 (336)</p> <p>21 limit 20 to "therapy (best balance of sensitivity and specificity)" (36)</p>		
CENTRAL	<p>1 MeSH descriptor: [Schizophrenia, Paranoid] explode all trees 84</p> <p>#2 MeSH descriptor: [Schizophrenia, Disorganized] explode all trees 17</p> <p>#3 MeSH descriptor: [Schizophrenia] explode all trees 5012</p> <p>#4 (schizo\$ or psychotic\$ or psychosis or psychoses or hebephreni\$ or oligophreni\$) .mp.289</p> <p>#5 ((CHRONIC\$ or SEVER\$) adj5 MENTAL\$ adj5 (ILL\$ or DISORDER\$)) .mp.92</p> <p>#6 #1 or #2 or #3 or #4 or #5 5348</p> <p>#7 ((risk\$ adj3 schiz\$) or (screen\$ adj3 schiz\$)) 2</p> <p>#8 ((duration or length) adj3 untreat\$) 1</p> <p>#9 ((first or initial or primary) adj3 (admission\$ or hospital\$ or episod\$ or breakdown\$)) 1707</p> <p>#10 (early adj3 (intervent\$ or treat\$ or recogni\$ or detect\$)) 1228</p> <p>#11 (delay\$ adj3 treat\$) 303</p> <p>#12 (DUP or premorbid\$ or prodrom\$) 308</p> <p>#13 #7 or #8 or #9 or #10 or #11 or #12 2187</p> <p>#14 #6 and #13 179</p> <p>RCTs only: 37</p>	37	1

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