Costing Perinatal mental health and understanding cost-effectiveness

A research project Oct. 2013 - Sept. 2014
Context

• Perinatal: Pregnancy - 12 months after birth
• A range of conditions in their own right: Perinatal depression, anxiety, stress, psychosis
• For example, 13% in general population; far above 20% in lower socio-economic groups (Gavin et al 2005)
• (Short-term) impact on quality-of-life for mothers (Morrel et al. 2010, Bauer et al. 2011)
• Long-term impact on children (Hay et al. 2001, Murray et al. 2010a;b)
• Substantial costs associated with child development problems leading into adulthood (Scott et al. 2010, McCrone et al. 2004, Romeo et al. 2006, Knapp et al. 2011)
Background to the project

• Maternal Mental Health Alliance (MMHA), > 40 organisations
• Comic Relief funding (£250k) for 3 years national campaign: Maternal Mental Health – Everyone’s Business
• For increased access to expert mental health care during pregnancy and post-natally in line with NICE guidance
• Economic work by PSSRU and CMH: study (1 year; 30k) to estimate the costs that occur because the conditions are to a large extent not detected or treated, and outlining cost-effectiveness of interventions
Research outline

Part 1a Reviewing evidence

• Studies which report: costs, resource use, associations
• Search strategies: PRAGMATIC (!), snowballing, call for evidence to members of MMHA
• Brief quality appraisal and information extraction

Part 1b Cost-of-illness analysis

• Decision about scope
• Cost calculations (valuing existing cost estimates at 2012/13 prices, assigning unit costs to resource use and linking resource use to outcomes)
• Modelling longer-term consequences
• Reference group
• NICE reference case (for public health)
Research outline (continued)

Part 2 Analysing cost-effectiveness

• Data sources: Reviews of evidence, single (cost-) effectiveness studies, routine data from ongoing studies

• Developing ranges for effectiveness and costs of interventions

• Combining findings Part 1&2
Team

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References


