

## Telepsychiatry

### Appendix A

Study	Year	Technology	Psychiatry Intervention	Location	Description
<b>Randomised Control Trial Studies</b>					
De Las Cuevas et al	2006	Synchronous, video conferencing	All	Spain (Canary Islands)	Telepsychiatry through Videoconference versus Face-to-Face
Frueh et al	2008	Synchronous, video conferencing	All	USA	Comparing therapist adherence to telepsychiatry and manual same room treatment
Mitchell et al	2008	Synchronous and Asynchronous application	Bulimia nervosa	USA	A RCT comparing the efficacy of cognitive-behavioral therapy for bulimia nervosa delivered via telemedicine versus face-to-face
O'Reilly et al	2007	Synchronous, video conferencing	All	Canada	Is Telepsychiatry Equivalent to Face-to-Face Psychiatry?
<b>Evaluation Studies</b>					
Barker	2003	Synchronous and Asynchronous application	All (Military)	Europe	Tele-Mental Health: An Examination of Use In Military Geographically Separated Units
Boydell, Greenberg and Volpe	2004	Synchronous, video conferencing	Paediatric	Canada	Evaluation of Pediatric telepsychiatry
Buist et al	2000	Synchronous, video conferencing	All	Australia, VIC	Evaluation of a programme in Victoria
De Las Cuevas et al	2003	Synchronous, video conferencing	All	Spain (Canary Islands)	User acceptance and satisfaction of service
Doolittle	2001	Synchronous and Asynchronous application	All	USA	Telepsychiatry program in Kansas USA.
Doze et al	1999	Synchronous, video conferencing	All	Canada	Evaluation of telepsychiatry pilot project
Godleski L	2004	Synchronous and Asynchronous application	Veteran's Health	USA	Conference presentation, <i>The Veterans Health Administration Network</i>
Greenwood, Chamberlain and Parker	2004	Synchronous, tele-conferencing	All	Australia, NSW	Evaluation of a rural telepsychiatry Service, Wagga Wagga
Harley	2006	Synchronous, video conferencing	All	UK	Economic evaluation of a tertiary telepsychiatry service
Houston et al	2002	Asynchronous Online support groups	Depression	USA	Internet support groups for depression
Johnsen	2002	Asynchronous Online Counselling	Mental Health	Scandinavia	Online group interaction and mental health
Kennedy & Yellowlees	2000	Synchronous, video conferencing	All	Rural Australia	Health outcomes and costs of telepsychiatry
Krupinski et al	2002	Synchronous and Asynchronous application	Clinical care	USA	Clinical application in Telepsychiatry, the Arizona telemedicine program

Kroll et al	2007	Asynchronous Focus Groups	Disability	UK	Using Focus Groups in Disability Research
Laugharne and Janca	2007	Synchronous, video conferencing	Educational	Australia, WA	Telepsychiatry educational programme in WA
Majundar	2007	Synchronous, video conferencing devices, telephones	Tsunami affected personnel	India	Telepsychiatry services to tsunami affected persons in Nagarpattinam district, India
Mallen et al	2005	Asynchronous Online Counselling	Mental Health	USA	“The Practical Aspects of Online Counseling”
<i>Maritz &amp; Holroyd</i>	2006	Synchronous, telephone	Outpatient Practice	USA	Characteristics of Telephone Calls in a Psychiatric Outpatient Practice
Meier et al	2007	Asynchronous Inter-net mailing lists	Cancer	USA	How Cancer Survivors Provide Support on Cancer-Related Internet Mailing Lists
Modai et al	2006	Synchronous, video conferencing	Ambulatory Settings	Israel	Cost Effectiveness, safety & satisfaction with Video Telepsychiatry vs. face to face care in Ambulatory settings
Mucic D	2007	Synchronous, video conferencing	Mentally ill migrants/refugees	Denmark	Videoconference by distance by ethnic specialists to immigrants/refugees
Myers et al	2007	Synchronous, video teleconferencing	Child and Adolescent	USA	Feasibility, Acceptability, and Sustainability of Telepsychiatry for Children and Adolescents
Rahman A	2006	Synchronous, telephony, video conferencing	Child Psychiatry	Pakistan	A pilot study to test the feasibility of providing training and supervision in child psychiatry
Simpson, J, Doze, S, et al	2001	Synchronous, video conferencing	All	Canada	Evaluation of a routine telepsychiatry service
Starling et al	2003	Synchronous, video conferencing	Child and Adolescent	Australia, NSW	Child and adolescent telepsychiatry in Dubbo, NSW
Starling and Forley	2006	Synchronous, video conferencing	Paediatric	Australia	Pilot to permanent service in Australia
Suler J	2002	Asynchronous e-mail	Mental Health	Australia	The online clinical case study group: An e-mail model
Tate et al	2001	Asynchronous, Internet	Weight loss	Australia	Using Internet Technology to Deliver a Behavioural Weight Loss Program
Trott & Blignault	1998	Synchronous, video conferencing	All	Australia, QLD	Cost evaluation of a telepsychiatry service in Northern Queensland
VandenBos & Williams	2000	Synchronous and Asynchronous application	All	USA	The internet vs. the telephone in telehealth and psychiatry
Werner and Anderson	1998	Synchronous, video conferencing	All	USA	Rural Telepsychiatry is economically unsupportable
Wagnild et al	2006	Synchronous, video conferencing	All	USA	Psychiatrists’ Satisfaction with Telepsychiatry
Zaylor et al	2001	Synchronous, video conferencing	Prison care	USA	Clinical outcomes in a prison telepsychiatry clinic
<b>Review Studies</b>					
American Psychological Association	2002	Synchronous and Asynchronous application	Ethical Code of Conduct	USA	APA ethics code, Ethical principles of psychologists and code of conduct
Farrell and McKinnon	2003	Synchronous and Asynchronous application	All	USA	Technology and Rural Mental Health
Frueh et al	2000	Synchronous, video conferencing	All	USA	Issues in Telepsychiatry Research and Program Development

Hilty et al	2004	Synchronous, video conferencing	Clinical and Educational	Canada	Clinical and educational telepsychiatry application
Hilty et al	2003	Synchronous, video conferencing	All	USA	The Effectiveness of Telepsychiatry: A Review
Hogenbirk et al	2006	Synchronous and Asynchronous application	Mental Health	Canada	Telehealth and Mental health, barriers and solutions
Hyler and Gangure	2003	Synchronous and Asynchronous application	All	USA	Review of the costs of telepsychiatry
Jones NB	2001	Synchronous and Asynchronous application	Geriatric Care	USA	Telepsychiatry and Geriatric Care
Mallen et al	2005	Synchronous and asynchronous Online and telephone Counselling	Mental Health	USA	Online and telephone counseling, literature review
McGinty et al	2006	Synchronous and Asynchronous application	Mental Health	USA	Potential for Improving Access to Mental Health Care
Monnier et al	2003	Synchronous, video conferencing	All	USA	Recent Advances in Telepsychiatry: An Updated Review
Parsons et al	2002	Synchronous and Asynchronous application	All	Australia	Evidence-based practice in a rural and remote setting.
Pesaˆmaa et al	2004	Synchronous, video conferencing	Child and adolescent	Finland	Systematic review of the literature
Royal Aus and NZ College Of Psychiatrists	2002	Synchronous and Asynchronous application	All	Australia and New Zealand	TELEPSYCHIATRY, Position statement for Psychiatrists
<i>Urness D</i>	2003	Synchronous, video conferencing	All	Canada	Telepsychiatry and Doctor–Patient Communication
<b>Books</b>					
Wootton et al	2003	Synchronous and Asynchronous application	All	All	Telepsychiatry and e-mental health

Table 2 – papers reviewed, which fulfilled the inclusion criteria

## **Appendix B – RCT Quality Assessment**

ID	Reference	Study Design Score	A. Patient Selection	B. Description/ specification of the interventions	C. Specification and analysis of study	D. Patient Disposal	E. Outcomes Reported	Study Performance score (Sum of A, B, C, D, E)
1	De Las Cuevas, Arredondo, MT, Cabrera MF, Sulzenbacher H, Meise, U (2006) “Randomized Clinical Trial of Telepsychiatry through videoconference versus Face-to-Face Conventional Psychiatric Treatment”, <i>Telemedicine and e-Health</i> Volume 12, Number 3	3	2	2	2	1	2	9
2	Freuh B et al, (2008), “Therapist Adherence and Competence With Manualized Cognitive-Behavioral Therapy for PTSD Delivered via Videoconferencing Technology”, <i>Behav Modif</i> ; 31; 856	3	1	2	2	1	2	8
3	Mitchell et al (2008), “A randomized trial comparing the efficacy of cognitive–behavioral therapy for bulimia nervosa delivered via telemedicine versus face-to-face”, <i>Behaviour Research and Therapy</i> 46, 581–592	5	2	2	2	1	2	9
4	O’Reilly R, Bishop J, Madox K et al (2007) “Is Telepsychiatry Equivalent to Face-to-Face Psychiatry? Results From a Randomized Controlled Equivalence Trial”, <i>PSYCHIATRIC SERVICES</i> Vol. 58 No. 6	5	2	1	2	1	2	8

Table 3 (Hailey, 1997)

