

# Telepsykiatri

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[www.denlilleprins.org](http://www.denlilleprins.org)

# CV

- Født og opvokset i det tidl. Jugoslavien.
- Bosiddende i Danmark siden 1990.
- Arbejdet med flygtninge og indvandrere siden 1994.
- Uddannet speciallæge i psykiatri i 2002.

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# CV

- Leder af Behandlingscentret Den Lille Prins i København ([www.denlilleprins.org](http://www.denlilleprins.org)).
- Konsulent i Dansk Røde Kors
- Siden år 2000 arbejdet med udviklingen af telepsykiatri i Danmark

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# CV

- “Reviewer” på Journal of Telemedicine and Telecare
- Leder af konsulent firma ”Telepsykiatri” specialiseret i udviklingen af telepsykiatri i Skandinavien.

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# CV

Som led i telepsykiatri udviklingen publiceret :

– Mucic D : "Telepsychiatry Pilot Project in Denmark".  
World Cultural Psychiatry Research Review 2: 3-9, 2007.

– Mucic D : "Telepsychiatry in Denmark: Mental Health  
Care in rural and remote Areas". Journal of eHealth  
Technology and Application, Vol 5:3, 2007.

– Mucic D : "Telepsychiatry in Denmark". Med-e-Tel  
2007, Proceedings book, Best Practices 314-318.

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# CV

- Mucic D : “International Telepsychiatry, patient acceptability study”. Journal of Telemedicine and Telecare. 14:241-243, 2008.
- Mucic D :”Telepsychiatry in treatment of asylum seekers in Denmark”. Med-e-Tel 2008 Proceedings book, 314-318.
- Mucic D :” Telepsychiatry within European e-Health” . Kapitel VIII i “Handbook of Research on Distributed Medical Informatics and eHealth”, af Athina A. Lazakidou et al., august 2008.

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# CV

## Internationale præsentationer:

- WACP (World Association of Cultural Psychiatry), oktober 2006 i Beijing.
- AEP (Association of European Psychiatry), marts 2007, Madrid.
- Med-e-Tel (International Telemedicine Conference), april 2007 i Luxembourg.
- ECOTS (European Conference on Traumatic Stress Studies), juni 2007, Opatija (Kroatien)

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# CV

–19<sup>th</sup> World Congress of WASP (World Association for Social Psychiatry), oktober 2007, Prag

–II Moscow International Conference "Information and Telemedical Technologies in Health Care", oktober 2007, Moskva

–AEP , april 2008, Nice

–Med-e-Tel 2008 I Luxembourg

–DPA Annual Meeting (Dutch Psychiatric Association), april 2008, Amsterdam

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# CV

## Kommende præsentationer:

–XIV World Congress in Psychiatry, sept. 2008, Prag

–TeleMed &eHealth, nov. 2008, London

–AEP 2009, Lisabon

–ATA (American Telemedicine Association), april 2009, Las Vegas

–APA (American Psychiatric Association), maj 2009, San Francisco

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# Telepsykiatri definition

- Telepsykiatri defineres som "brugen af telekommunikations-teknologi til at etablere forbindelse mellem patienter og behandlere med henblik på undervisning, diagnosticering og behandling".



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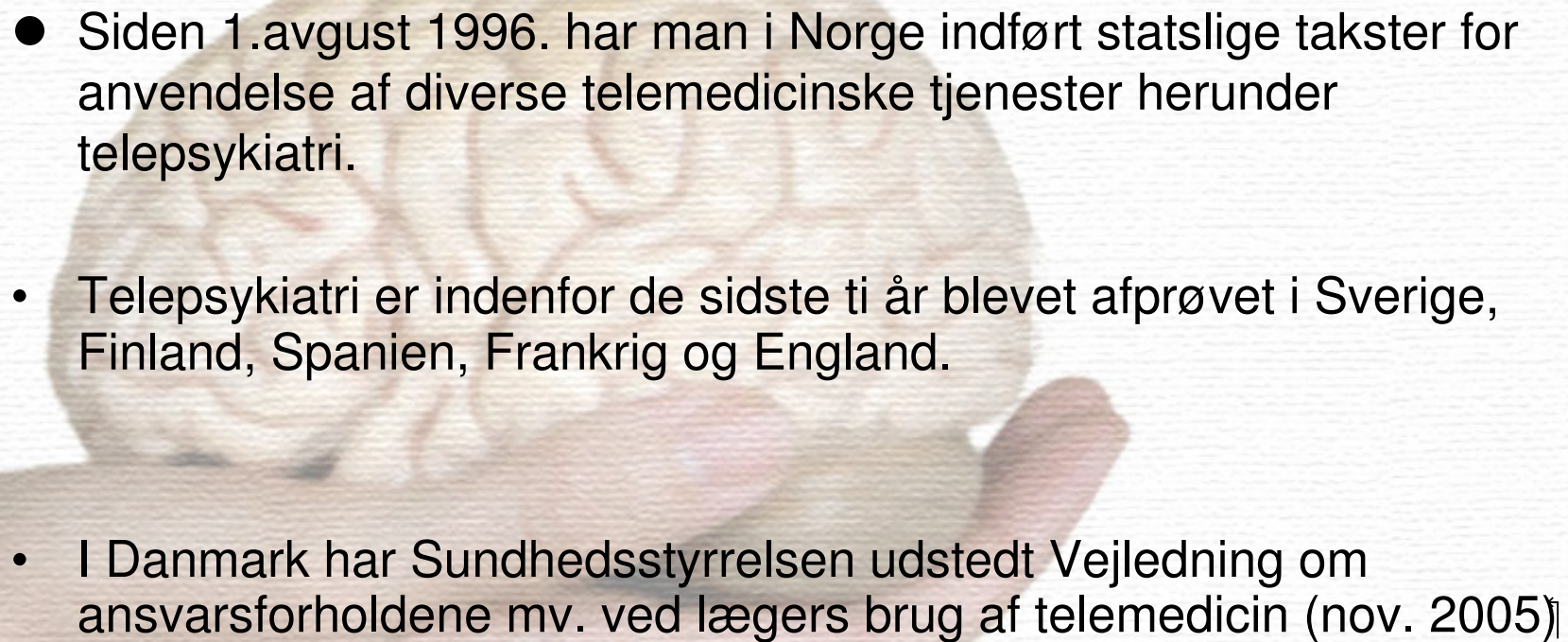


# Telepsykiatriens historie

- 1959. Cecil Wattson startede tele-education og telepsykiatri program på Psykiatrisk Institute i Nebraska (USA)
- Australien, USA og Canada har igennem de sidste 5 årtier udviklet flere velfungerende telepsyk. programmer som henvender sig til både unge og gamle.
- Norge er førende i Europa hvad gælder telemedicinsk udvikling. Telemedicinsk institut i Tromsø har eksisteret siden 1980.

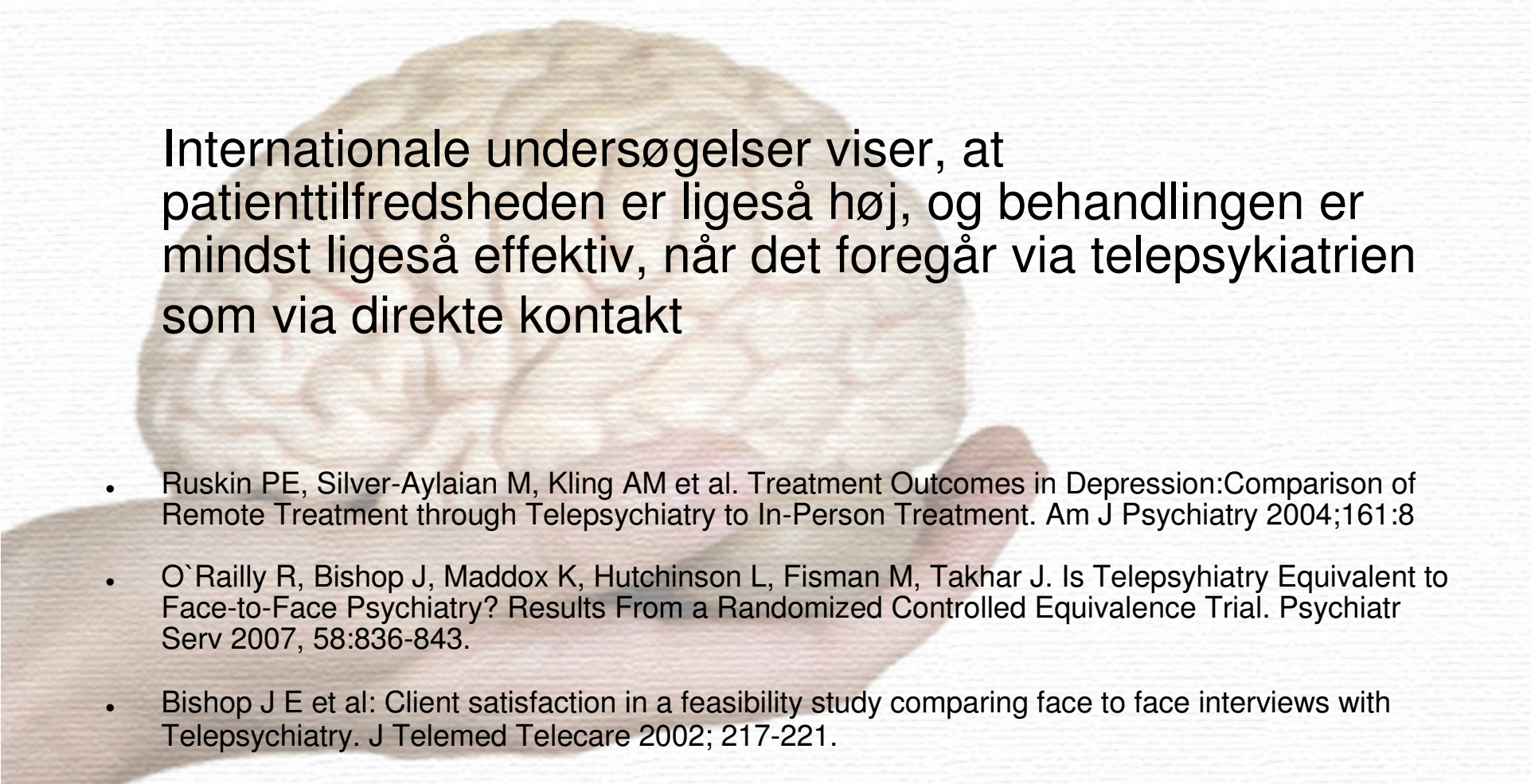
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- A close-up photograph of a human hand holding a human brain. The brain is light-colored with visible sulci and gyri. The hand is positioned from the bottom left, supporting the brain from underneath. The background is a plain, light color.
- Siden 1. august 1996. har man i Norge indført statslige takster for anvendelse af diverse telemedicinske tjenester herunder telepsykiatri.
  - Telepsykiatri er indenfor de sidste ti år blevet afprøvet i Sverige, Finland, Spanien, Frankrig og England.
  - I Danmark har Sundhedsstyrelsen udstedt Vejledning om ansvarsforholdene mv. ved lægers brug af telemedicin (nov. 2005)

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A close-up photograph of a human hand holding a human brain. The brain is light-colored with visible gyri and sulci. The hand is positioned from the bottom left, supporting the brain from underneath. The background is a soft, out-of-focus light blue.

Internationale undersøgelser viser, at patienttilfredsheden er ligeså høj, og behandlingen er mindst ligeså effektiv, når det foregår via telepsykiatrien som via direkte kontakt

- Ruskin PE, Silver-Aylaian M, Kling AM et al. Treatment Outcomes in Depression: Comparison of Remote Treatment through Telepsychiatry to In-Person Treatment. Am J Psychiatry 2004;161:8
- O`Raily R, Bishop J, Maddox K, Hutchinson L, Fisman M, Takhar J. Is Telepsychiatry Equivalent to Face-to-Face Psychiatry? Results From a Randomized Controlled Equivalence Trial. Psychiatr Serv 2007, 58:836-843.
- Bishop J E et al: Client satisfaction in a feasibility study comparing face to face interviews with Telepsychiatry. J Telemed Telecare 2002; 217-221.
- Urness, D et al. Client acceptability and quality of life - telepsychiatry compared to in-person consultation. J Telemed Telecare 2006; 251-254.

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# Anvendelses områder

## Akut psykiatri

1. Sorvaniemi M; Ojanen E; Santamaki O ,Psychiatric Sector, Satakunta Hospital District, Rauma, Finland :”Telepsychiatry in emergency consultations: a follow-up study of sixty patients” ,Telemed J E Health 2005 Aug;11(4):439-41 (ISSN: 1530-5627)

I voksen psykiatriens diagnosticering og behandling af bredt diagnose-spektrum af både **indlagte og ambulante patienter**. f.ex.:

## Skizofreni

1. Ball CJ, McLaren PM, Summerfield AB, et al: A comparison of communication modes in adult psychiatry. Journal of Telemedicine and Telecare 1:22-26, 1995
2. McLaren PM, Blunden J, Lipsedge ML, et al: Telepsychiatry in an inner-city community psychiatric service. Journal of Telemedicine and Telecare 2:57-59, 1996
4. McLaren PM, Mohammedali A, Riley A, et al: Integrating interactive television-based psychiatric consultation into an urban community mental health service. Journal of Telemedicine and Telecare 5(suppl):100-102, 1999
5. Yellowlees P: The use of telemedicine to perform psychiatric assessments under the Mental Health Act. Journal of Telemedicine and Telecare 3:224-226, 1997
6. Zarate CA, Weinstock L, Cukor P, et al: Applicability of telemedicine for assessing patients with schizophrenia: acceptance and reliability. Journal of Clinical Psychiatry 58:22-25, 1997 ),



## Depression og Skizoaffektiv lidelse

1. Zaylor C: Clinical outcomes in telepsychiatry. *Journal of Telemedicine and Telecare* 5(suppl):59-60, 1999
2. Ruskin PE, Silver-Aylaian M, Kling MA, et al :Treatment Outcomes in Depression: Comparison of Remote Treatment Through Telepsychiatry to In-Person Treatment, *American Journal of Psychiatry*. 2004;161(8):1471-1476]

## OCD (obsessive-compulsive disorder)

1. Baer L, Cukor P, Jenike MA, et al: Pilot studies of telemedicine in psychiatric patients with obsessive-compulsive disorder. *American Journal of Psychiatry* 152:1383-1385, 1995

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## Behandling af personer med høre- og tale besvær

1. Afrin JA, Whittemore KR (1997). A telemedicine success story. *Carolina Health Services Review*; 4:225-231.
- Kully, D. (2000). Telehealth in speech pathology: applications to the treatment of stuttering. *J Telemed Telecare*, 6 Suppl 2, 39-41.
- Sicotte, C., Lehoux, P., Fortier-Blanc, J., & Leblanc, Y. (2003). Feasibility and outcome evaluation of a telemedicine application in speech-language pathology. *J TelemedTelecare*, 9, 253-258.

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A close-up photograph of a human hand holding a human brain. The brain is light-colored with visible gyri and sulci. The hand is positioned from the bottom left, supporting the brain from underneath. The background is a plain, light color.

## **Veteran population :**

1. Dunn BE, Choi H, Almagro UA, et al: Telepathology networking in VISN-12 of the Veterans Health Administration. *Telemedicine Journal and E-Health* 6:349–354, 2000

## **PTSD**

1. Deitsch SE, Frueh BC, Santos AB: Telepsychiatry for post-traumatic stress disorder. *Journal of Telemedicine and Telecare* 6:184-186, 2000

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## Børne – og ungdomspsykiatri

- Rendon M. Telepsychiatric treatment of a schoolchild. Journal of Telemedicine and Telecare 1998; 4:179-82
- Ermer DJ: Experience with a rural telepsychiatry clinic for children and adolescents. Psychiatric Services 1999; 50:260-261
- Hilty DM, Sison JI, Nesbitt TS, Hales RE. Telepsychiatric consultation for ADHD in the primary care setting (letter). J Am Acad Child Adolesc Psychiatry 2000; 39:15-16
- Elford R, White H, Bowering R, et al: A randomized, controlled trial of child psychiatric assessments conducted using videoconferencing. Journal of Telemedicine and Telecare 2000; 6:73-82
- Alessi, Norman E. M.D.: Telepsychiatric care for a depressed adolescent, Journal of the American Academy of Child & Adolescent Psychiatry 2002; Vol 41(8): 894-895.
- Nelson E, Barnard M, Cain S. Treating childhood depression over videoconferencing. Telemedicine Journal and e-Health, 9: 49-55, 2003.

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## Børne – og ungdomspsykiatri –

**- 96% af diagnostik og behandlingsforslag var ens både via telepsykiatri og direkte kontakt [ 4 ]**

**- KBT til børn med depression ligeså effektiv via telepsykiatri som via direkte kontakt [ 6 ]**

- Rendon M. Telepsychiatric treatment of a schoolchild. Journal of Telemedicine and Telecare 1998; 4:179-82
- Ermer DJ: Experience with a rural telepsychiatry clinic for children and adolescents. Psychiatric Services 1999; 50:260-261
- Hilty DM, Sison JI, Nesbitt TS, Hales RE. Telepsychiatric consultation for ADHD in the primary care setting (letter). J Am Acad Child Adolesc Psychiatry 2000; 39:15-16
- Elford R, White H, Bowering R, et al: A randomized, controlled trial of child psychiatric assessments conducted using videoconferencing. Journal of Telemedicine and Telecare 2000; 6:73-82
- Alessi, Norman E. M.D.: Telepsychiatric care for a depressed adolescent, Journal of the American Academy of Child & Adolescent Psychiatry 2002; Vol 41(8): 894-895.
- Nelson E, Barnard M, Cain S. Treating childhood depression over videoconferencing. Telemedicine Journal and e-Health, 9: 49-55, 2003.

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## Geriatric

1. Tang WK, Chiu H, Woo J, et al: Telepsychiatry in psychogeriatric service: a pilot study. *International Journal of Geriatric Psychiatry* 16:88–93, 2001
2. Montani C, Billaud N, Couturier P, et al: "Telepsychometry": a remote psychometry consultation in clinical gerontology: preliminary study. *Telemedicine Journal* 2:145-150, 1996
3. Montani C, Billaud N, Tyrell J, et al: Psychological impact of a remote psychometric consultation with hospitalized elderly people. *Journal of Telemedicine and Telecare* 3:140-145, 1997
4. Yoshino A, Shigemura J, Kobayashi Y, et al: Telepsychiatry: assessment of televideo psychiatric interview reliability with present- and next-generation internet infrastructures. *Acta Psychiatrica Scandinavica* 104:223–226, 2001
5. Poon P, Hui E, Dai D et al. Cognitive intervention for community-dwelling older person with memory problems: telemedicine versus face-to-face treatment. *International Journal of Geriatric Psychiatry*, 20: 285-286, 2005.

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## Retspsykiatri (fængsler)

1. Alessi NE, Rome L, Bennett J, et al: Cost-effectiveness analysis in forensic telepsychiatry prisoner involuntary treatment evaluations (abstract). *Telemedicine Journal* 5:17, 1999
2. Zaylor C, Whitten P, Kingsley C: Telemedicine services to a county jail. *Journal of Telemedicine and Telecare* 6(suppl 1):S93-S95, 2000
3. Brodey BB, Claypoole KH, Brodey IS, et al: Satisfaction of forensic psychiatric patients with remote telepsychiatric evaluations. *Psychiatric Services* 51:1305–1307, 2000

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## Militæret

1. Naval telemedicine: fleet lines up to provide live teleconsulting; telepsychiatry saves time and money on the high seas. *Telemedicine and Virtual Reality* 3(4):40, 47, 1998

## Psykologi

1. Koocher GP, Morray E: Regulation of telepsychology: a survey of state attorneys general. *Professional Psychology, Research, and Practice* 31:503–508, 2000
2. Capner M. : Videoconferencing in the provision of psychological services at a distance. *Journal of Telemedicine and Telecare* 6:311–319, 2000

## Social rådgivning

1. McCarty D, Clancy C: Telehealth: implications for social work practice. *Social Work* 47:153–161, 2002

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## Transkulturel psykiatri

1. Cerda GM, Hilty DM, Hales RE, et al: Use of telemedicine with ethnic groups (letter). *Psychiatric Services* 50:1364, 1999
2. Mucic D : "Telepsychiatry Pilot Project in Denmark". *World Cultural Psychiatry Research Review* 2: 3-9, 2007.
3. Mucic D : "Telepsychiatry in Denmark: Mental Health Care in rural and remote Areas". *Journal of eHealth Technology and Application*, Vol 5:3, 2007.
4. Mucic D : "International Telepsychiatry, patient acceptability study". *Journal of Telemedicine and Telecare*. 14:241-243, 2008.

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## Supervision og psykoedukation (“*videoconferencing in telemental education*”)

- Harley J et al. The use of videoconferencing to enhance tertiary mental health service provision to the island of jersey. *Journal of Telemedicine and Telecare*, 8: 36-38; 2002.
- Mitchell, J. G., Robinson, R. J., McEnvoy, M., & Gates, J. Telemedicine for the delivery of professional development for health, education and welfare professionals in two remote mining towns. *Journal of Telemedicine and Telecare*, 7, 174-180; 2001.
- 3. Haythornthwaite, S. Videoconferencing training for those working with at-risk young people in rural areas of Western Australia. *Journal of Telemedicine and Telecare*, 8 Suppl 3, 29-33; 2002.
- 4. Gammon D, Sorlie T, Bergvik S, Hoifodt TS. Psychotherapy supervision conducted by videoconferencing: a qualitative study of users experiences. *Journal of Telemedicine and Telecare*, 4 (suppl. 1):33 5; 1998.

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## Psykoterapi

1. Day S., Schneider PL. Psychotherapy using distance technology: A comparison of face-to-face video, and audio treatment. *Journal of Counseling Psychology*, 49 : 499-503, 2002.
1. Bouchard S. et al. Delivering cognitive-behaviour therapy for panic disorder with agoraphobia in videoconference. *Telemedicine Journal and e-Health*, 10: 13-25, 2004.

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# "Tele-nursing"

- Oftest i yderområder hvor sygeplejersker arbejder isoleret
- Foster, P. H. E., & Whitworth, J. M. (2005). The role of nurses in telemedicine and child abuse. *Computers Informatics Nursing*, 23, 127-131.
- Heckner, C., & Giard, A. (2005). A comparison of on-site and telepsychiatry supervision. *Journal of the American Psychiatric Nurses Association*, 11, 35-38.
- Rosina, R., Starling, J., Nunn, K., Dossetor, D., & Bridgland, K. (2002). Telenursing: Clinical nurse consultancy for rural paediatric nurses. *Journal of Telemedicine and Telecare*, 8 Suppl 3, 48-49.

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# ”Tele-homecare”

## Hjælp til institutionsplacerede- eller hjemme-sengeliggende patienter

1. Hui, E., & Woo, J. (2002). Telehealth for older patients: The Hong Kong experience. *Journal of Telemedicine and Telecare*, 8 Suppl 3, 39-41.
1. Laflamme, M. R., Wilcox, D. C., Sullivan, J., Schadow, G., Lindbergh, D., Warvel, J., et al. (2005). A pilot study of usefulness of clinician - patient videoconferencing for making routine medical decisions in nursing homes. *Journal of the American Geriatrics Society*, 53, 1380-1385.
- Weiner, M., Schadow, G., Lindbergh, D., Warvel, J., Abernathy, G., Perkins, S. M., et al. (2003). Clinicians' and patients' experiences and satisfaction with unscheduled, nighttime, internet-based video conferencing for assessing acute medical problems in a nursing facility. Paper presented at the AMIA 2003 Symposium, Washington (DC).

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