High Tech High Touch High Trust

Evidence Based E-Mental Health in the Netherlands

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Eysenbach 10 'E's

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- Evidence based
- Efficiency
- Empowerment
- Enhancing Quality
- Education: e-learning
- Extending
- Ethics
- Equity

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- Easy to use
- Entertaining

How well are our mental health services prepared for the consequences of the digital revolution? 10 million people in the Netherlands look out for health related information on Internet!

1 out of 2 is aware of e-mental health service delivery

1 out of 4 considers to make use of emh service delivery number 1 threshold: social network Times Persons of the year 2006 were we!

Web 2.0: bringing together small contributions of millions of people.

Dutch treat: E-Mental Health 3.0 by the year 2010!













Effectiveness e-mental health interventions for depression

| | ld | Reference N D* | | D * | 95% CI | | | |
|---------------|--------------------------------------|---------------------------------------|------|------------|--------|------|--|--|
| | 1 | Clarke (2002) | 299 | 0.00 | -0.23 | 0.23 | | |
| Why? CYL | 2 | Patten (2003) | 786 | 0.00 | -0.14 | 0.14 | | |
| Effectiveness | 3 | Christensen (2004) | 525 | 0.37 | 0.20 | 0.54 | | |
| Next Step | 4 | Clarke (2005) | 255 | 0.31 | 0.06 | 0.56 | | |
| | 5 | Anderson (2005) | 117 | 0.88 | 0.50 | 1.26 | | |
| | 6 | Van Straten (subm) | 213 | 0.61 | 0.34 | 0.88 | | |
| | 7 | Spek (2007) | 301 | 0.55 | 0.27 | 0.83 | | |
| | 8 | Lange (in prep) | 46 | 1.07 | 0.45 | 1.69 | | |
| | Early treatment | Studies 3, 4, 5, 6, 8 ^a | 1183 | 0.66 | 0.54 | 0.78 | | |
| | Prevention | Study 7 ^b | 202 | 0.55 | 0.27 | 0.83 | | |
| | a without study 1; b without study 2 | | | | | | | |
| | Riper, Smit et al | 2007 | | | i | | | |
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| | interventions anxiety | | | | | | | |
|----------|-----------------------|--------------------|-------------|-----|------|--------|------|-----|
| | ld | Reference | Diagnose | N | d * | 95% CI | | |
| | 1 | Calbring (2001) | Panic | 41 | 0.99 | 0.33 | 1.64 | |
| | 2 | Calbring (2003) | Panic | 22 | 0.33 | -0.51 | 1.17 | |
| research | 3 | Klein (2001) | Panic | 23 | 0.40 | -0.43 | 1.23 | |
| | 4 | Klein (2006) | Panic | 37 | 1.52 | 0.79 | 2.25 | |
| | 5 | Carlbring (2006b) | Panic | 60 | 1.14 | 0.59 | 1.69 | |
| | 6 | Marks (2004) | Panic | 36 | 1.82 | 1.04 | 2.60 | |
| | 7 | Richards (2006) | Panic | 21 | 0.77 | -0.12 | 1.66 | |
| | 8 | Andersson (2006) | Soc phobia | 64 | 0.77 | 0.26 | 1.28 | |
| | 9 | Carlbring (2006a) | Soc phobia | 57 | 1.08 | 0.52 | 1.64 | |
| | 10 | Lange (2001) | PTSD | 30 | 0.57 | -0.16 | 1.30 | |
| | 11 | Lange (2003) | PTSD | 101 | 1.17 | 0.75 | 1.59 | |
| | 12 | Hirai (2005) | PTSD | 27 | 0.81 | 0.03 | 1.59 | |
| | 13 | Van Straten (2007) | Anxiety | 213 | 0.51 | 0.24 | 0.78 | |
| | | | 11++ | | 14 | TAT | | |
| | Α | All studies | All anxiety | 698 | 1.02 | 0.86 | 1.18 | |
| | В | Studies 1 - 7 | Panic | 236 | 1.10 | 0.83 | 1.37 | |
| | С | Studies 8, 9 | Soc phobia | 121 | 1.00 | 0.62 | 1.38 | i.c |
| Trimbos | D | Studies 10 - 12 | PTSD | 158 | 0.81 | 0.49 | 1.14 | |



Challenges

vraagstelling aanpak praktijk onderzoek Knelpunten & Kansen

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- 1. Develop instruments to assess, evaluate and reiumburse e-mental health service delivery
- 2. Integrate e-mental health service delivery & regular service delivery.
- 3. Develop an integrated road map for research & development
- 4. Support national & international knowledge & experience exchange
- 5. Learn from experience from abroad

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16

Conclusion

- Results are very positive for depression and anxiety both for prevention and treatment!
 But needed:
 - economic evaluation research

research

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- comparison between ftf and e-mental health treatment
- required level of therapeutic assistance with regard to outcome variables & target group characteristics
- predictoranalysis: which target group benefits from what type of intervention?

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- effectiveness of interventions for youth
- (cost) effectivenss trial replication
- stepped care & disease management evaluations

Third Wave, Trust 10 R's

- Road Map for evidence based implementation and dissemination
- Reach: participation rates & representativeness: from trial to practice & from trial to target group
- Risk assessment
- Replicability
- Robustness
- Return on investment (social & financial)/reimbursement

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8

- Recruitment
- Referral
- Readiness
- Reality

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- Riper et al 2007