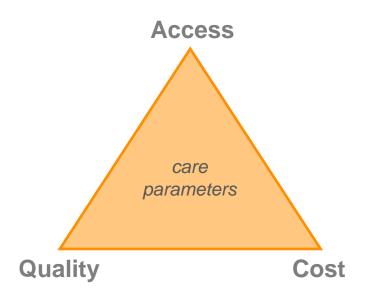


Managing mental health and its consequences on medical care in general

Value Based Integrative Behavioral Health

Prof. Dr. Katharina Janus

- 350 million people are suffering from depression worldwide¹
- Lifetime prevalence: 10%-15%²
- Depressions are the third leading contributor to global disease burden³
- By 2030 depressions will become the most widespread disease²
- Suicide is one of the leading causes of death globally for all ages³
- Global treatment gap for depression 56.3%⁴



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¹ WHO (2010) ² Lépine & Briley (2011) ³ Tomlinson & Lund (2012) ⁴ Kohn et al. (2004)

Treatment options of depression vary in access, quality and costs



	Drug	Psychotherapy	Online self-help		
Access	$\sqrt{\sqrt{\sqrt{1}}}$	$\sqrt{-\sqrt{\sqrt{\sqrt{-1}}}}$	$\sqrt{\sqrt{\sqrt{1}}}$		
Quality (Cohens' d) ¹	$d = 0,32^2$	$d = 0,80^3$	$d = 0,28^4$		
Cost	annual therapy cost sertraline (generic): 84 USD ⁵	8 visits at 95 USD each on average ⁶	free/ funded		
	Access Quality Cost	Access Quality Cost	Access Quality Cost		
Cohen's d is a statistical effect according to Cohen (1988): 0. 0.5=medium effect, 0.8=large of Turner et al. (2008) Kehle et al. (2001) Cuijpers et al. (2011), overal DDD for treatment of depress Zoloft), 7 USD for 30 tablets (Olfson & Marcus (2010)	and online so and online so affect I mean effect size sion: sertraline 50 mg	psychotherapy	cess Cost		

Meta-analysis of online self-help and online psychotherapy¹



- All programs without any contact between the participants and a therapist or coach
- Content based on cognitive behavioral techniques
- Effect sizes (Cohen's d)² range
 - from d = -0,02 (no effect)
 - to d = 0,64 (medium to large effect size)

Study name	Outcome	Statistics for each study					Std diff ir	means	and 95%C		
		Std diff in means	Lower limit	Upper limit	Z-Value	p-Value					
Clarke, 2002	CESD	0,24	-0,02	0,51	1,81	0,07			H		
Clarke, 2005	CESD	0,33	-0,02	0,67	1,83	0,07					
Clarke, 2009	PHQ8	0,32	-0,06	0,69	1,64	0,10					
De Graaf, 2009	BDI-II	0,15	-0,13	0,42	1,04	0,30					
Meyer, 2009	BDI	0,64	0,33	0,95	4,06	0,00					
Salkovskis, 2006	BDI	-0,02	-0,42	0,38	-0,09	0,93			-	_	
Spek, 2007	BDI-II	0,27	-0,01	0,54	1,89	0,06					
		0,28	0,14	0,42	3,92	0,00			•	\blacklozenge	
							-1,00	-0,50	0,00	0,50	1,00
							R	Favours control Favo		Favours SG	Р

Example 1: Effects of the online self-help program $_{\tilde{H}}$ ODIN¹ (Clarke 2009)

4-Bak Agama (Goigie

- Small effect size²: d = 0,32³
- Incorporates CBT with focus on cognitive restructuring
 - Most recent version revised for young adults
 - Style: self-help book
- No individualization:
 - "one size fits all" content for all users
- Limited availability
 - usage only on big screens, not applicable on smartphones

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	The steps for the A-B-C method are very easy:	
10 Oversons Depension - Normal Extent Extense 	 Ask yourself, "Is this a negative or instand thought?" If it is negative or instaod, then cease Footive Counterboughts. Check your feating squit. Do your feat less depensed? here sangy? 	
Thouse The second rouse	· · · · ·	
	of the from Gerald Krander's	-
Image: A state of the stat	A.B.C Method "Tax can change how your feel for Eugens, OR, BETO Frees, 1974	
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¹ "Overcoming Depression on the InterNet"

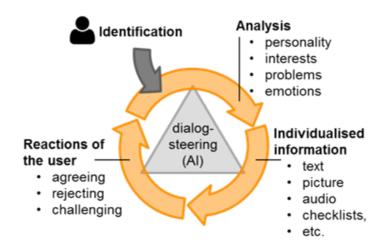
² Cohen's d is a statistical effect size. Interpretation according to Cohen (1988): 0.2=small effect, 0.5=medium effect, 0.8=large effect ³ Clarke et al. (2009)

Example 2: Effects of the online psychotherapy program deprexis[®] (Meyer 2009)



- Medium to large effect size¹: d = 0,64²
- proven effectiveness in 3 independent RCTs²⁻⁴
- increased effect size of d = 1,14 with secured diagnosis and therapeutic guidance/support³
- Incorporates classic CBT plus contemporary evidence-based research trends/"3rd wave"
- Individualization and personal relevance:
- Provision of new information and exercises based on continuous identification of the patient's needs and emotional situation, based on artificial intelligence (AI)
- Increased long-term learning-effect due to active engagement with the content and perceived personal relevance
- "All screen" availability
- responsive website technology
- 24/7 usage on any connected device (smartphone, tablet, PC)







Quotes from online psychotherapy patients



"Dear team, I am very excited about the program. After having completed almost 3 psychotherapies I really benefit from the suggestions of your program, exercises and the general approach to the disease. I am very curious to continue. Regards"

B.G. via email

"Good afternoon!

You cannot imagine how much this has helped me – many, many thanks for this great program! [...] This may sound quite exaggerated, but I don't know how much further I would have dropped without it. Like I mentioned, my therapist was on vacation. That's why this really great and human program was my rescue!"

C.B. via email

"The program always sets the right tone."

Stern magazine Sept. 2013

"Dear Sir or Madam,

Thanks to the program I am able to continue to live my normal life and to work - and I am so happy about this.

I also talked with my doctor who didn't know the program and he was very exited.

Thank you very much for this help!!!! (without you I would not be working and taking antidepressants)"

K.M. via email

"Happy cows come from California!"





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