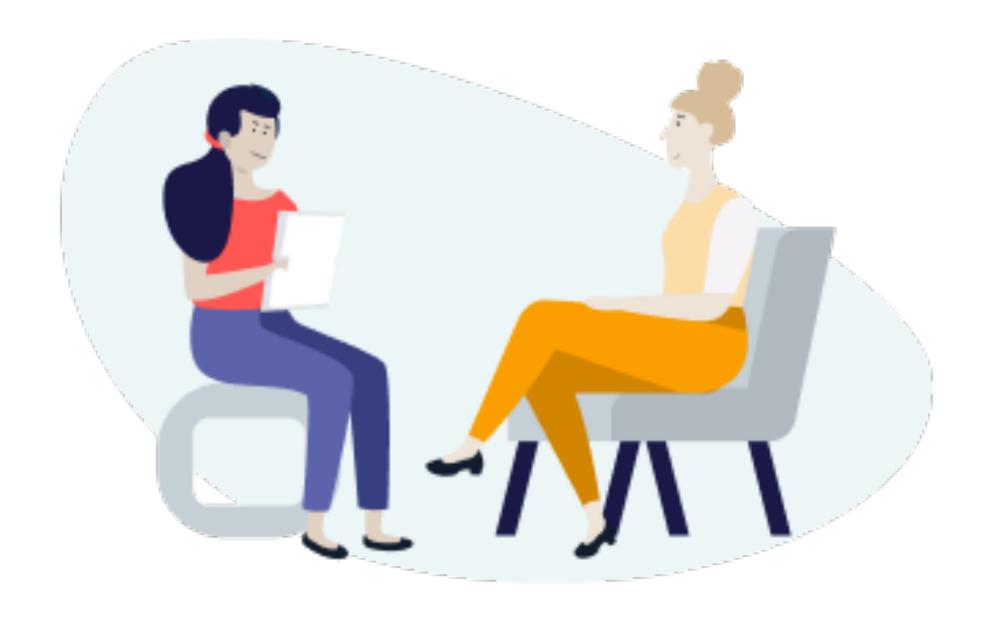
6 Research on efficacy and limitations in LI interventions

Dr Tereza Ruzickova Psychopharmacology and Emotion Research Lab University of Oxford



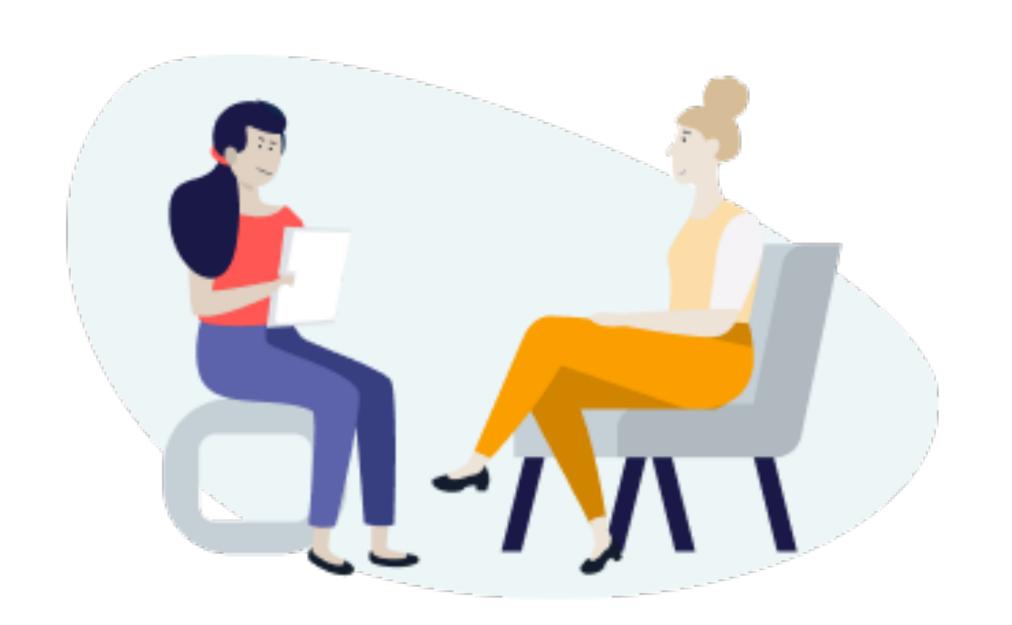
20th April 2023

What problems might come up in BA?



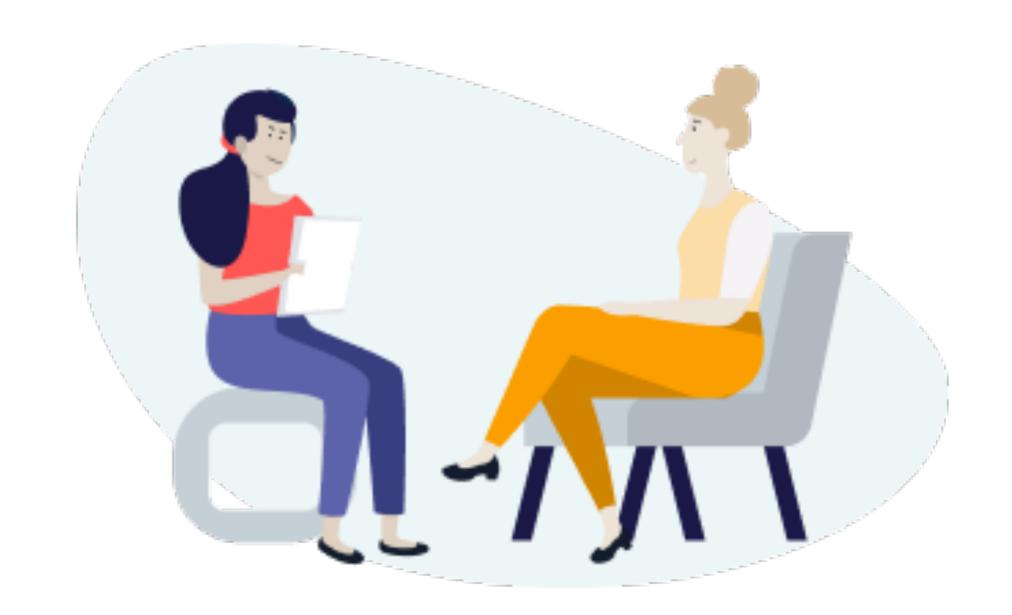
Problems that can come up in BA

- Forgetting to do the activities
- Lack of motivation/energy
- Lack of time for activities
- Exhaustion/overwhelm
- Can't focus or enjoy the activity stuck in negative thoughts
- Reducing bad activities vs increasing good activities
- Big practical / necessary problems in life



Possible solutions

- Be kind, empathetic, validating
- What happened/what activity did you do instead?
- Differentiate short-term and long-term consequences
- What got in the way?
- How could we make the activity easier? Or start with a different, easier activity?
- Action First / 5min rule -> it will get easier with time



More possible solutions

- Praise every small achievement, fight against all-or-nothing/ black and white thinking (-> more advanced therapy)
- Always try to map out barriers and come up with plan B/C/D ahead of the week
- Evaluate schedule to find more time / stick with small goals
- Psycho-education on boom and bust
- Psycho-education about rumination, problem-solving, mindfulness/distraction techniques



Efficacy of LI interventions for depression

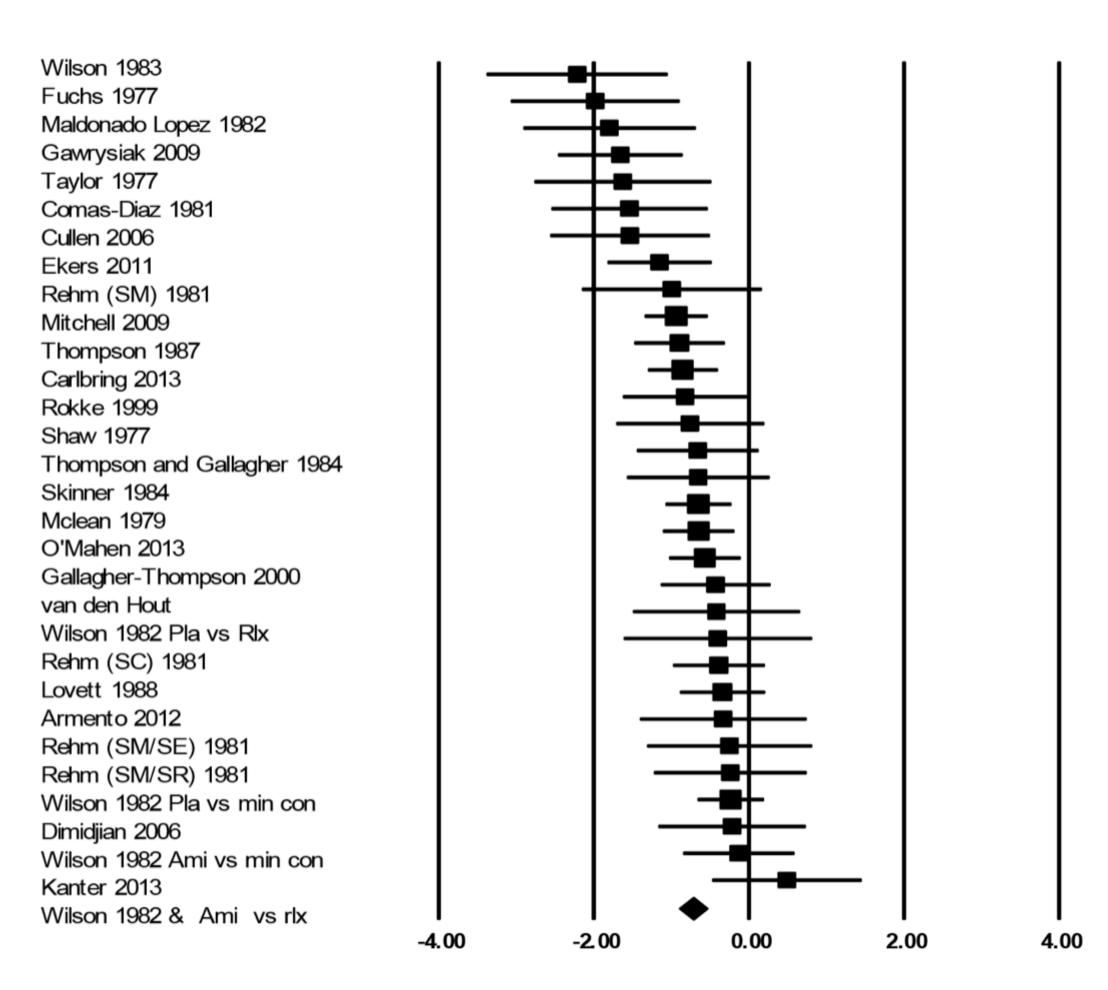


Ekers et al. (2014)

- 26 randomised controlled trials (over 1500 participants)
- BA more effective than control groups or antidepressant medication
- More studies with long term follow-up needed

Study name

Hedges's g and 95% Cl



Favours BA Favours Control

Cuijpers et al. (2007) MA

- Large effect size when comparing BA and control conditions
- No significant difference from other established treatments for depression

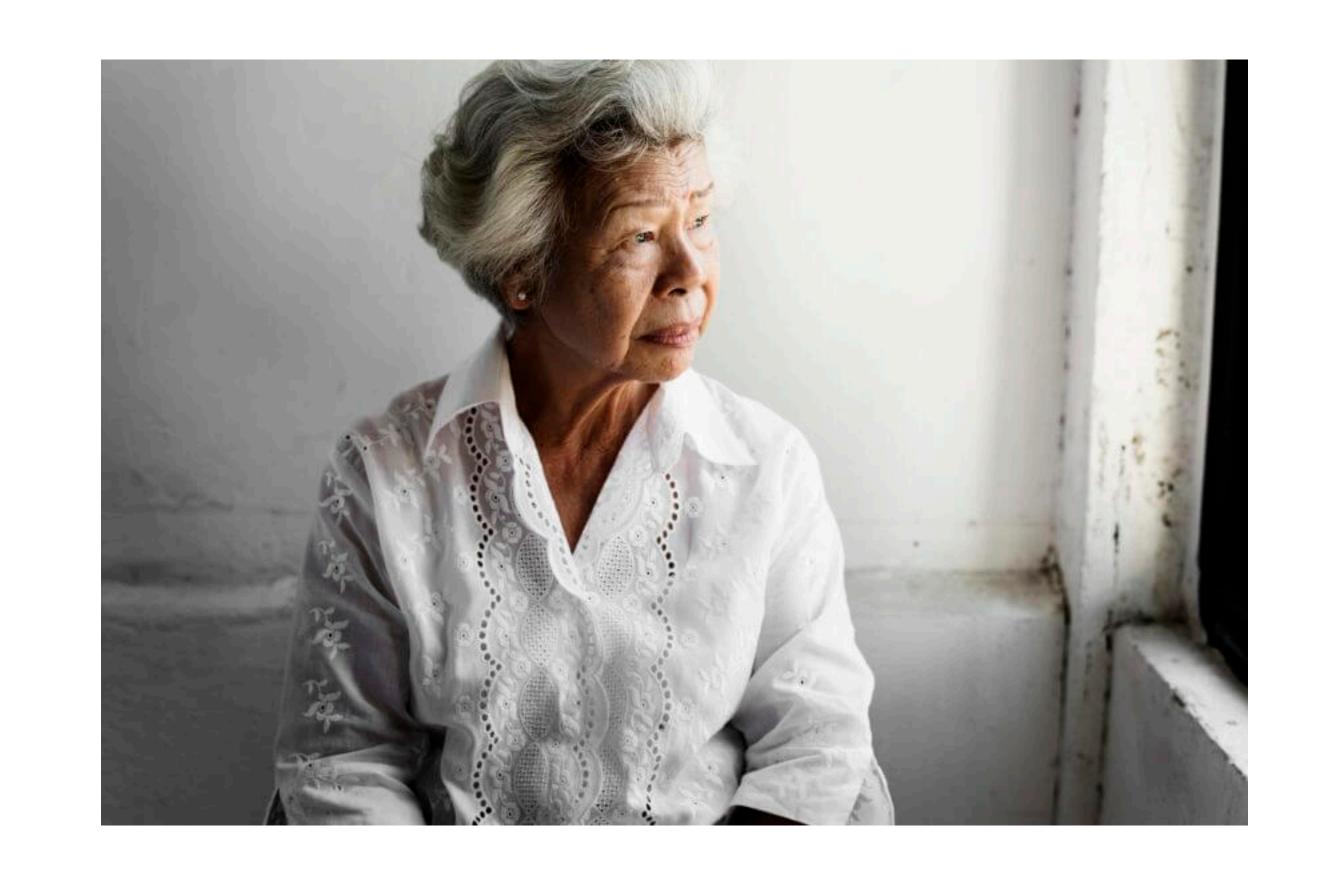
Mazzuchelli et al. (2009) MA

- Again, large effect sizes found in comparison to control conditions
- No significant difference from other established treatments

"BA may be considered a well-established and advantageous alternative to other treatments of depression."

Orgeta et al. (2017)

- SR and MA of 18 randomised controlled trials
- BA effective for reducing depression symptoms for older people in the community (55 and older)
- Larger studies needed



Tindall et al. (2017)

- SR and MA of 3 randomised controlled trials and 7 pre-post studies
- Examining BA for younger people (18 and below)
- BA may be effective, but more studies with better methodology are needed



Zabihi et al. (2020)

- SR & MA of BA for depression in informal caregivers
- 12 randomised controlled trials
- BA reduces depression symptoms after intervention and at 1-year follow-up



Mir et al. (2015)

- Qualitative study on BA adapted for muslim communities
- Incorporating religious beliefs into the intervention narrative
- Interviews showed the intervention as acceptable and feasible



Moradveisi et al. (2013)

- Comparing BA vs antidepressant medication in routine clinical practice in Iran
- More effective and better retention than antidepressant medication
- More effective in patients with more severe depression

Bryant et al. (2017)

- Randomised controlled trial of brief BA for women with a history of genderbased violence in Kenya
- Provided by lay workers from the community after 8 days of training
- Moderate reductions in psychological distress maintained at 3-month follow-up



INTERVENTIONS

REVIEW

The potential of low-intensity and online interventions for depression in low- and middle-income countries

C. L. H. Bockting¹*, A. D. Williams¹, K. Carswell² and A. E. Grech³



World Psychiatry. 2018 Jun; 17(2): 226-227.

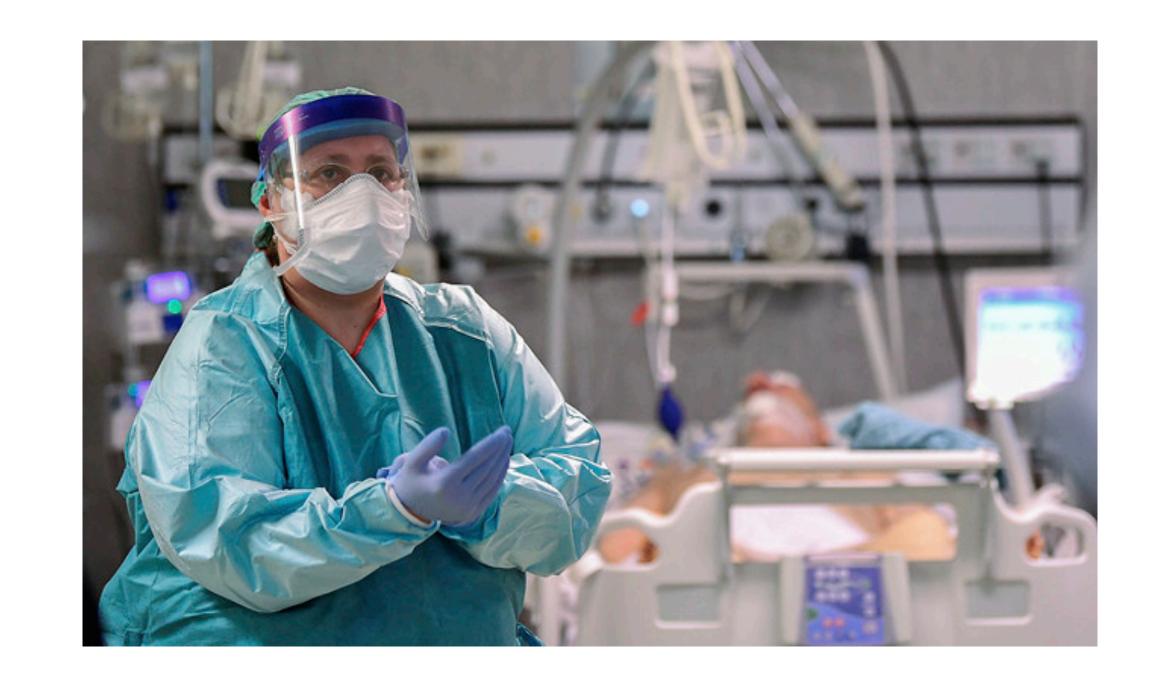
doi: <u>10.1002/wps.20532</u>

PMCID: PMC5980618 PMID: <u>29856556</u>

Scaling up psychological treatments for common mental disorders: a call to action

Daisy R. Singla, 1, 2 Giuseppe Raviola, 3, 4 and Vikram Patel 3, 5

Efficacy of LI interventions during crisis periods



Ruzickova et al. (2021)

- 4-week online BA administered by non-specialists after 15h of training
- BA remains effective even when activity options are significantly limited due to social distancing
- Significant reduction in depression + anhedonia and increase in activation + social support
- Benefits remained at one-month follow-up
- BA may be particularly appropriate for societal crisis
 periods with increased mental health burden



Low in mood and activity during covid-19?

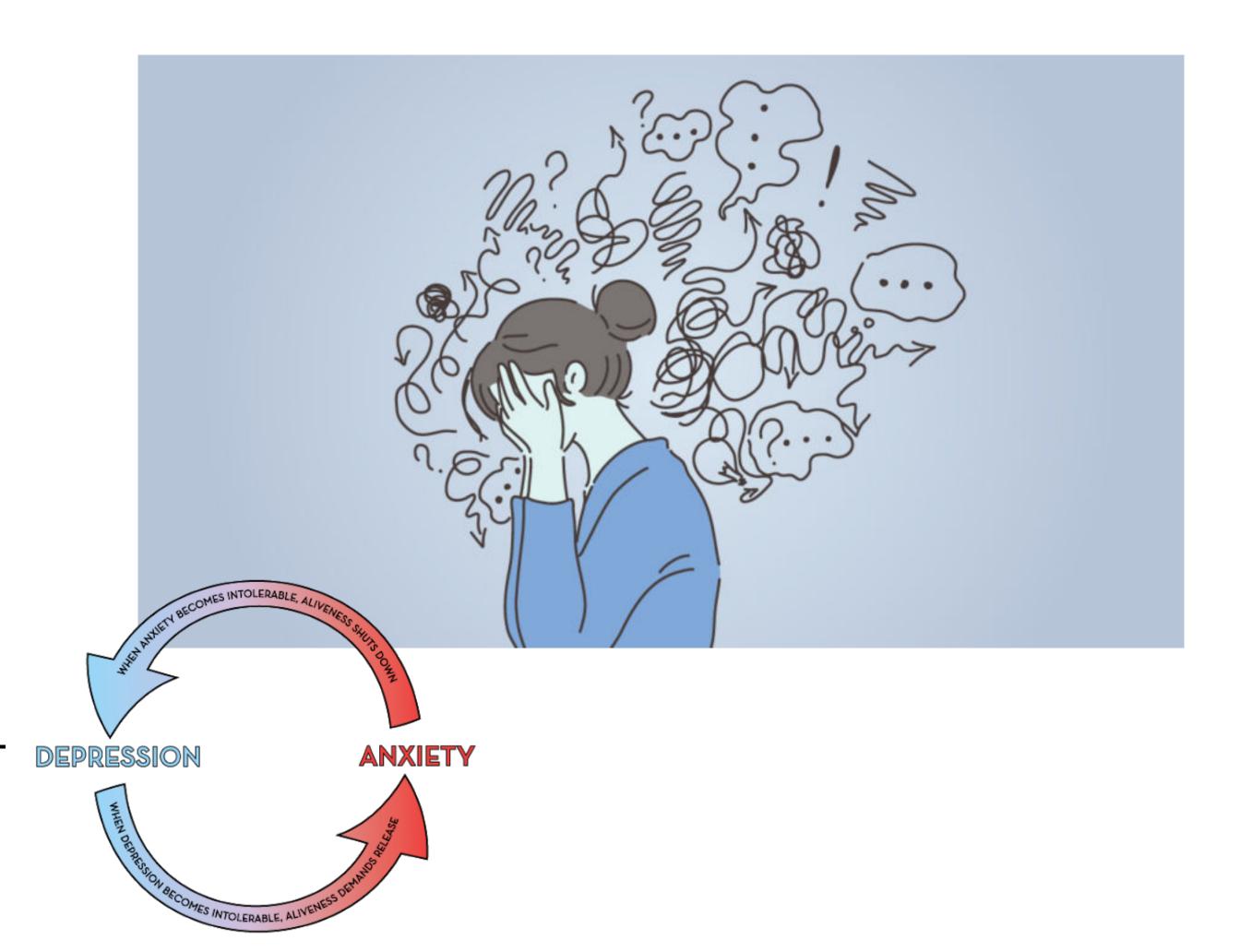
Sign up to our online ActivStudy!

Efficacy of LI interventions for anxiety



Chen et al. (2013)

- 8 weeks of group BA vs passive control for excessive worry (transdiagnostic treatment)
- daily activity monitoring, identifying avoidant behaviours, goal setting
- significant (but small) effects on excessive worry, intolerance of uncertainty, cognitive avoidance, problem solving
- however, no significant effects on anxiety or stress symptom scores
- possible similarity between BA and exposure treatments in anxiety?
- other strategies probably needed for a larger effect e.g. active problem-solving training, examining core beliefs, "worry time", relaxation



Hopko et al. (2016)

- BA found effective for anxiety symptoms in 70 breast cancer patients
- Pre-post design without a control group

Essau et al. (2014)

- BA found effective for anxiety symptoms in 60 school children
- Pre-post design without a control group



Hopko et al. (2016)

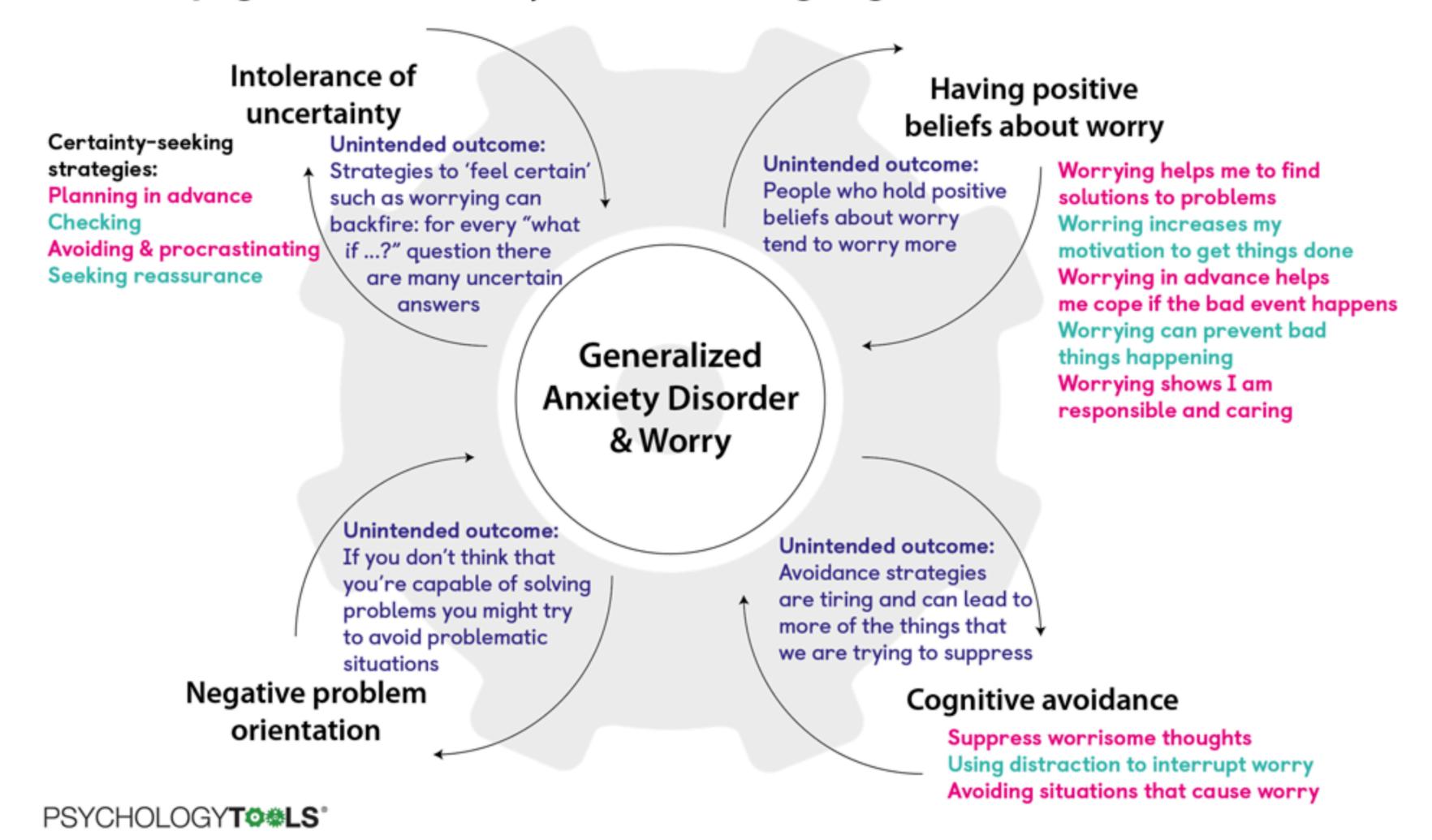
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- Pre-post design without a control group

Essau et al. (2014)

- BA found effective for anxiety symptoms in 60 school children
- Pre-post design without a control group



What keeps generalized anxiety disorder (GAD) going?



Ali et al. (2017)

- Longitudinal cohort of over 400 patients
- 50% participants found to relapse within 1 year, particularly if they had residual symptoms at the end of treatment
- Compare to relapse rates from full CBT (30%) or antidepressant medication (76%) as found by Hollon et al. (2005)
- Or mindfulness based cognitive therapy (40%) as found by Piet and Hougaard (2011)
- Recommend that patients are treated until residual symptoms are gone and follow-up care is provided



Behaviour Research and Therapy Volume 94, July 2017, Pages 1-8

BEHAVIOUR
RESEARCH AND
THERAPY

How durable is the effect of low intensity CBT for depression and anxiety? Remission and relapse in a longitudinal cohort study

"We suggest taking the long view, recognising that problems like depression often have to be managed as recurrent long-term conditions."

Remaining questions...

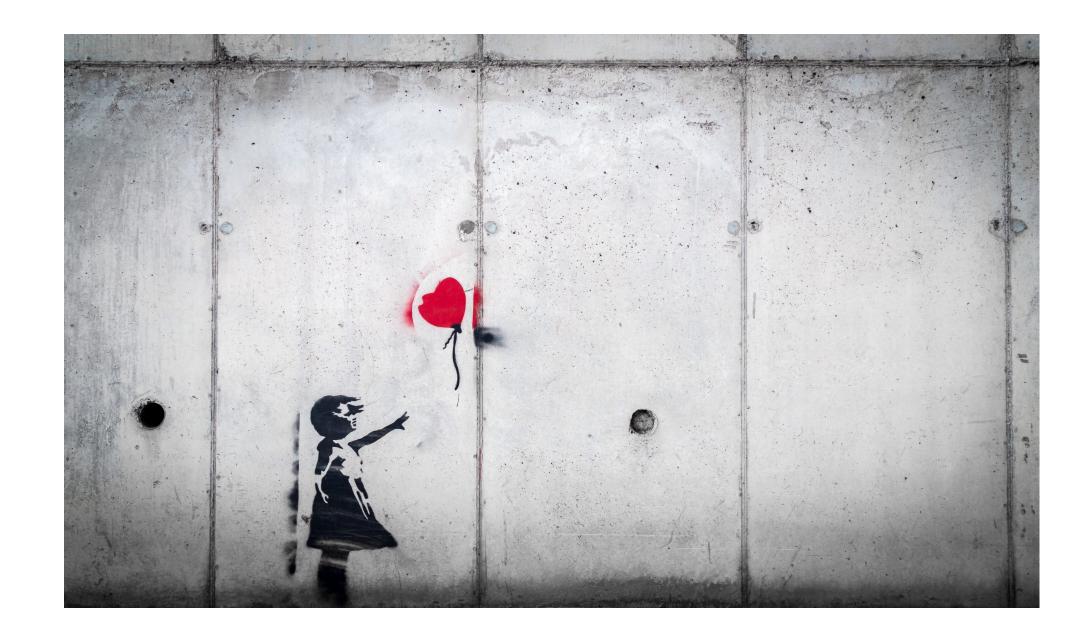
- Which people are most likely to benefit from LI interventions vs other treatments?
- Which people are most likely to relapse?
- What is the role of severity, comorbidity, age of onset, demographic factors..?
- Can LI interventions be effective when administered repeatedly?
- Can they be effectively combined with other treatments to reduce risk of relapse - e.g. medication or other CBT components?

A note on activation & grief-related avoidance

 Prolonged avoidance of painful thoughts, emotions or physical reminders is associated with worse mental and physical health outcomes in grief (see Baker et al., 2017 for review)

Avoidance -> denial and suppression?

- Avoidance has been found to mediate the link between grief-related rumination (repetitive thinking about negative past experiences) and depression (Eisma et al., 2013)
- Avoidance -> Ruminative coping? (Stroebe et al., 2007) analysis
 of the past may impede acceptance and "exposure" to reality
- •Behavioural activation may facilitate gradual exposure to loss-related stimuli as well as other enriching experiences (Eisma et al., 2015)
- But care should perhaps be taken to avoid facilitating further avoidance through purely loss-avoiding activities



Efficacy of LI interventions for substance abuse



Martinez-Vispo et al. (2018)

- SR of BA for depression comorbid with substance use
- 6 randomised controlled trials, 2 pre-post designs
- smoking, alcohol, opiate addiction
- BA improved substance use outcomes in 7/8 and improved depression in 6/8 studies



Focus on regularly interacting with other positively reinforcing stimuli

Efficacy of LI interventions for physical health problems



Uphoff et al. (2020)

- Cochrane systematic review of BA for depression comorbid with noncommunicable diseases (diabetes, cancer, cardiovascular, respiratory)
- 2 randomised controlled trials
- Insufficient evidence to conclude effect (possibly due to variability in physical conditions and requirement of formal depression diagnosis)



Hedman-Lagerlof et al. (2021)

- 12 weeks of internet-based CBT with therapist guidance for atopic dermatitis
- randomised controlled trial
- significant reduction in itch intensity, perceived stress, sleep problems

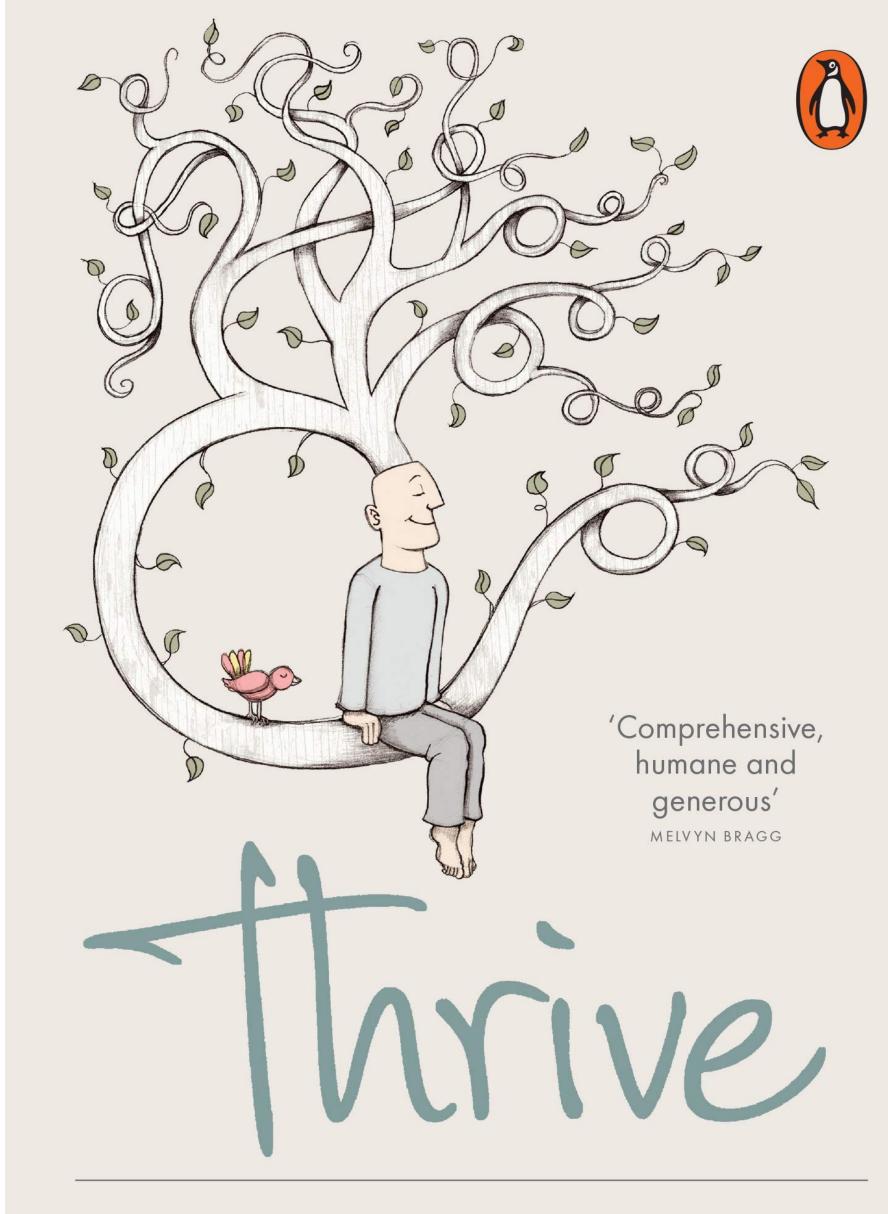


What issues might come up if we tried implementing these interventions?

- 1. younger and older age groups
- 2. non-western cultures, cultural, religious and sexual minority groups
- 3. groups with low socioeconomic status and low income countries
- 4. patients with physical illness or addiction comorbidity
- 5. current Czech mental healthcare system

Political influence

- Robust clinical & economic evidence
- Lobbying Lord Layard writing and speaking to ministers for years + coalition of mental health charities "We Need To Talk"
- Strategic political timing & consistency with broader government policy around social care and evidence-based treatment provision



THE POWER OF PSYCHOLOGICAL THERAPY

RICHARD LAYARD · DAVID M. CLARK

Change management

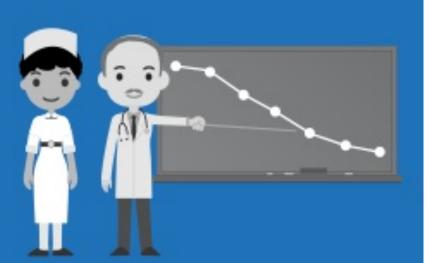
- Involving service users and carers in key decision making
- Creating a legislative framework
- Creating a management framework
- Effective **leadership** & its consensus (politics, healthcare, professional bodies)
- Measuring change to supply evidence of efficacy
- Long-term technical and financial sustainability



Take the long term view!



A transformation in mental health care since 1948



For the past seven decades, the NHS has transformed mental health services to ensure that more people are receiving the right care in the community and to minimise the amount of time people need to spend in hospital.

Change management

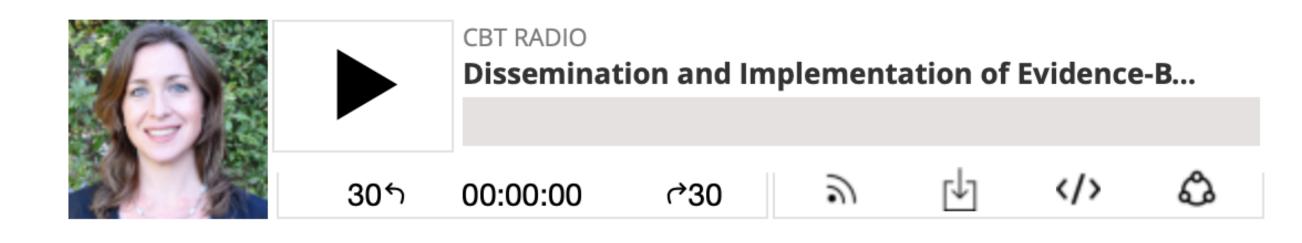
- Crucial to understand individual situation and needs of each target group
- Developing new systems collaboratively to make a change rather than just telling people what to do
- Inner context: leadership, organisational culture, individual attitudes
- Outer context: policy, insurance, public attitudes
- Ongoing support rather than one-time training is ideal







Dissemination and Implementation of Evidence-Based Practices



CBT Radio

Developing new types of education





PWP career development

Psychological Wellbeing Practitioners (PWPs) play a crucial role in Improving Access to Psychological Therapies (IAPT) services and providing evidence based psychological interventions to patients with depression and anxiety. PWP trainees start at Band 4 and progress to Band 5 once qualified. PWPs have a range of clinical, organisational and leadership skills which can be developed in specialist roles up to Band 8a:



Long Term Conditions

Working with patients who have long term conditions



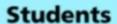
Supervision Providing case man

Providing case management and clinical skills supervision to other PWPs



Management and leadership

Various responsibilities including line management, performance management, strategy & recruitment



Perinatal

Setting up pathways and delivering interventions in colleges and universities

Partnership working with midwives





Clinical advisor

To regional and national clinical networks and PWP Specialist Interest Groups



Providing PWP treatment interventions in prisons



Research

In service or academic institutions

Teaching



Being a Trainee
Psychological
Wellbeing
Practitioner

@mypsychcareercoach



Apply your mind to mental health

The Think Ahead programme is a new route into social work, for graduates and career-changers remarkable enough to make a real difference to people with mental health problems.

Find out more about the programme

www.england.nhs.uk







- Client and healthcare workers awareness & preference
- Not viewing LI interventions as "second choice"
- Media outreach
- Strong partnership with charities & community groups
- Creating a new language?



Prince William visits men's mental health charities in London





7

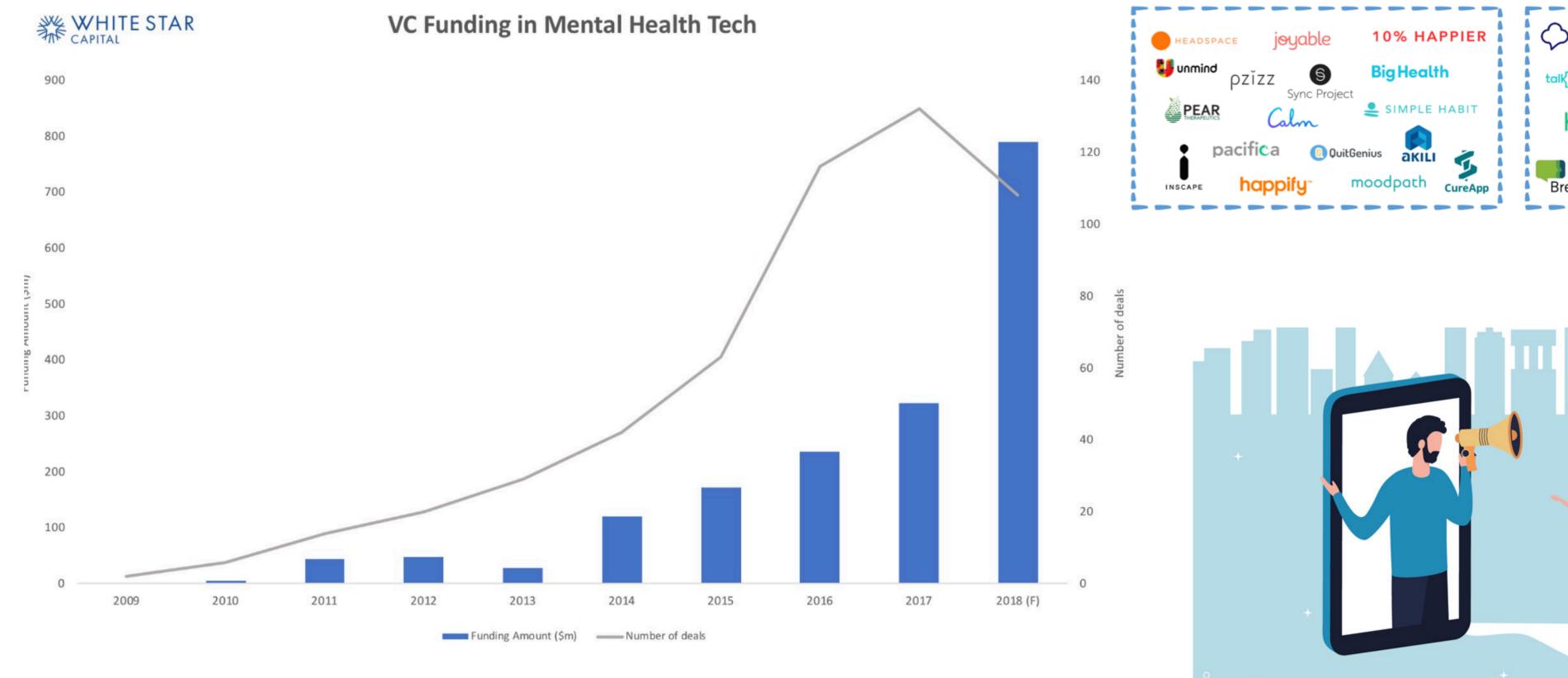
Onto the all important nappy change. "It's never straightforward," says The Duke of Cambridge.

@WorkingWithMen1 new dads are given practical session to help get them ready for fatherhood. #futuremen



Private investment







Continuation of care

Ali et al. (2017)

- Longitudinal cohort of over 400 patients
- 50% participants found to relapse within 1 year, particularly if they had residual symptoms at the end of treatment
- Recommend that patients are treated until residual symptoms are gone and follow-up care is provided



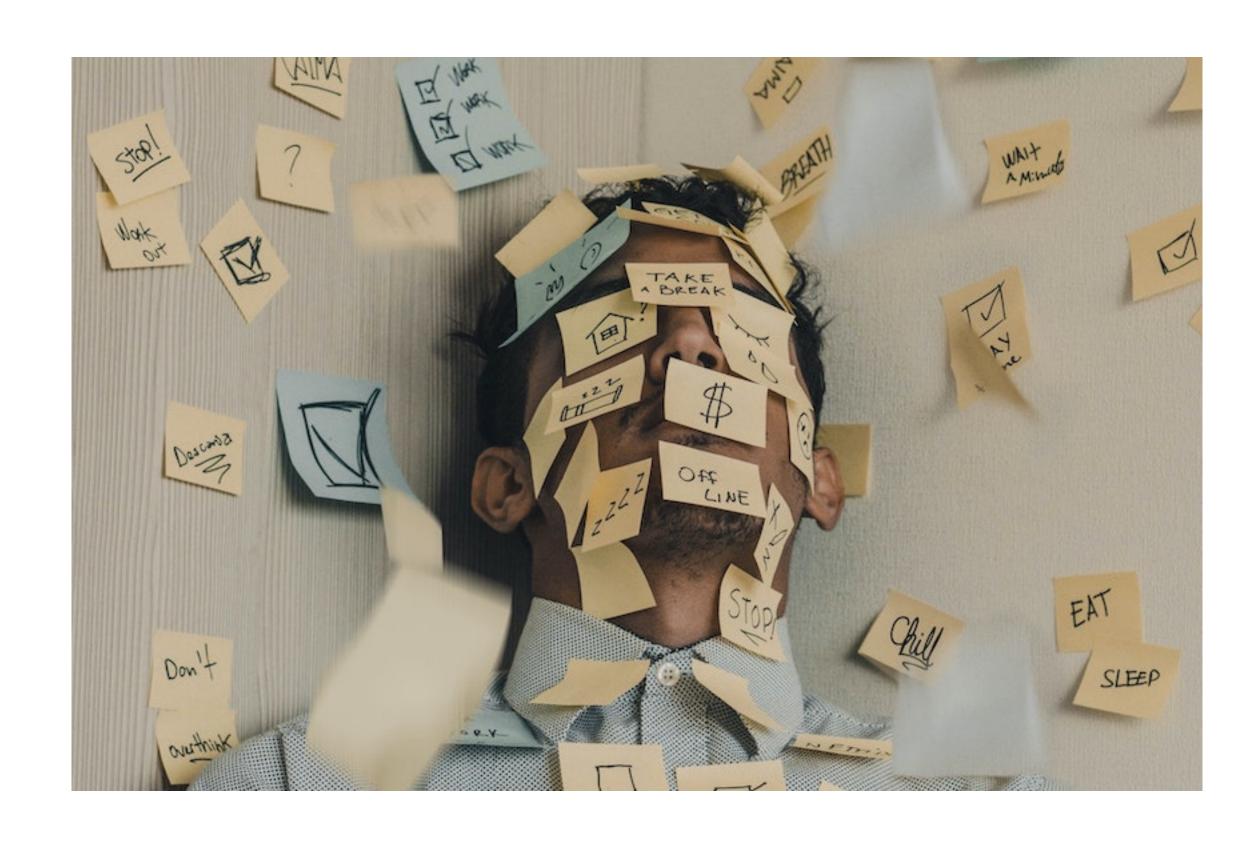
Behaviour Research and Therapy Volume 94, July 2017, Pages 1-8



How durable is the effect of low intensity CBT for depression and anxiety? Remission and relapse in a longitudinal cohort study

"We suggest taking the long view, recognising that problems like depression often have to be managed as recurrent long-term conditions."

Overwhelmed?

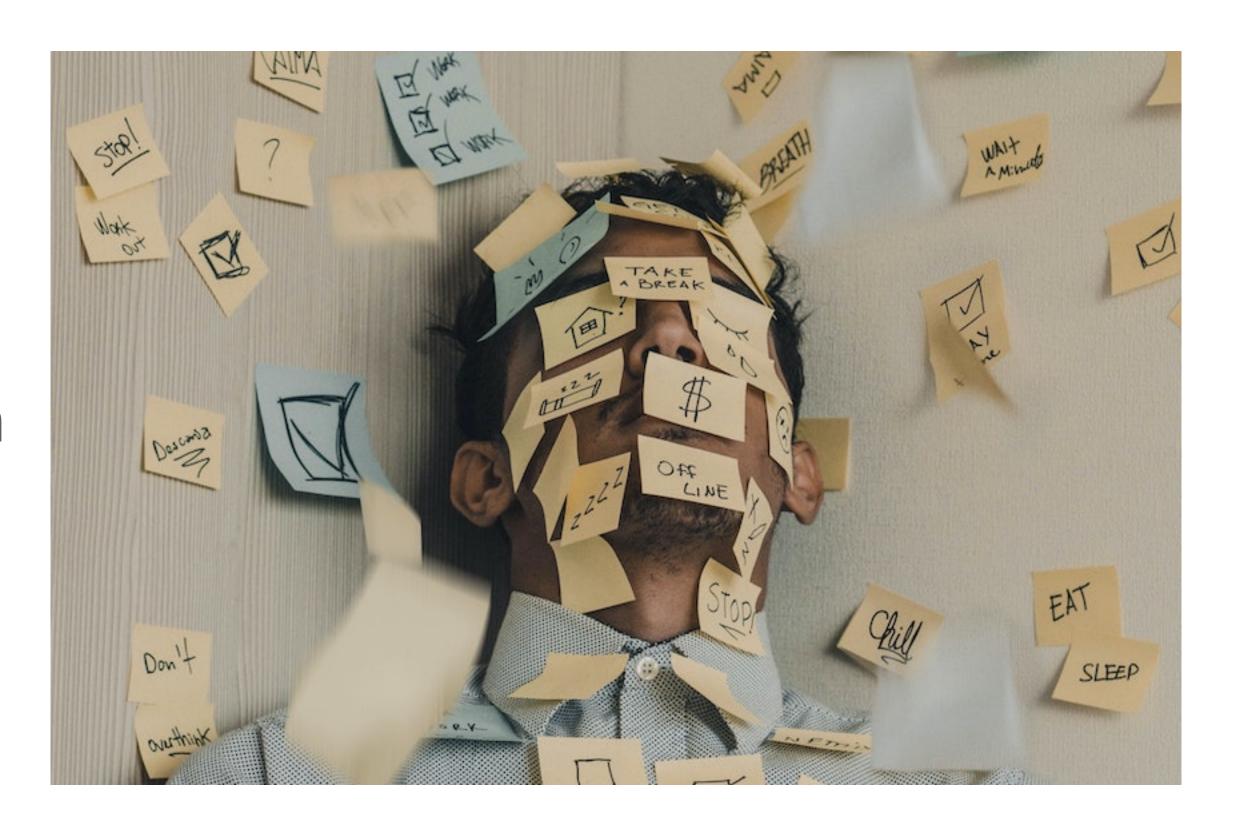


Lobby politicians?

Establish a new masters course?

Train GPs?

Train teachers in BA?



Media campaigns?

Build software for easier continuation of care?

Public awareness campaigns?

Create a BA center in Afganistan?

Economic measurements?

Build a low intensity intervention app?

THE WHITE HOUSE

National Cancer Act (1971)

WASHINGTON

January 11, 1972

WINNER OF THE PULITZER PRIZE

THE

EMPEROR

OF ALL

MALADIES



A BIOGRAPHY OF CANCER

SIDDHARTHA MUKHERJEE

'A tale of hopes, dreams and pincer-sharp disappointment.

Cancer has a master storyteller' Independent

Dear Mrs. Lasker:

Your presence on December 23, 1971, was particularly meaningful to all of us gathered for the signing into law of S. 1828, the National Cancer Act of 1971. As you well know, the enactment of this legislation culminated a year-long effort to





The Jimmy Fund



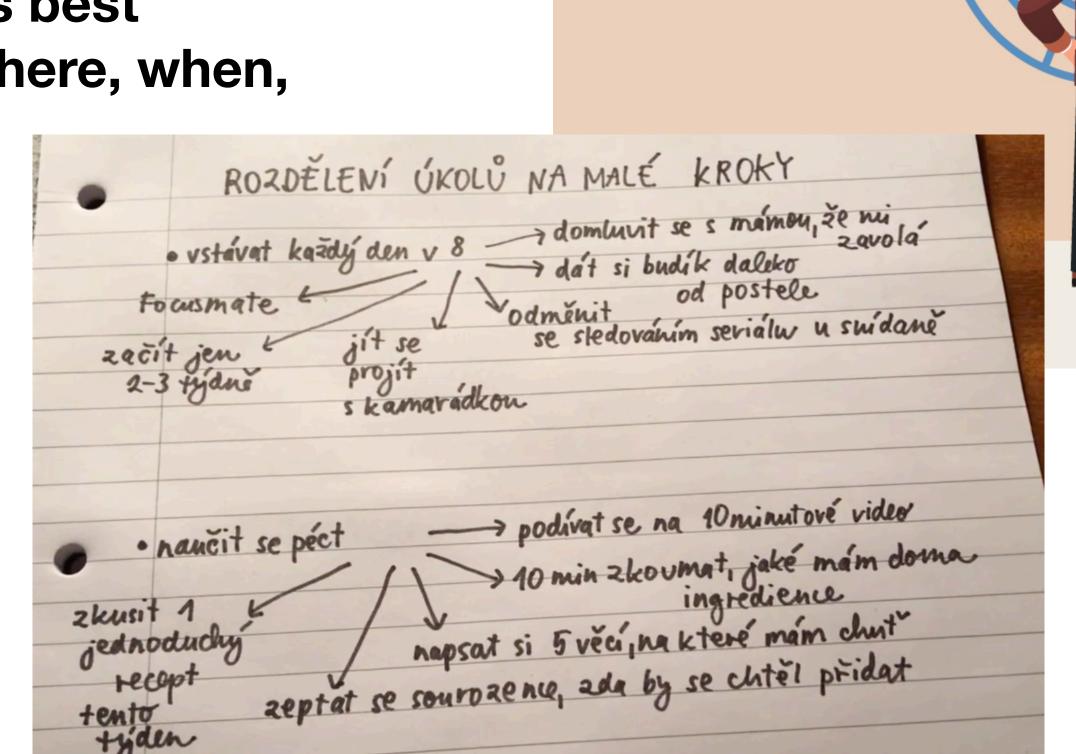


Problem solving

- 1. Explain problem solving
- 2. Identify main problems
- 3. Generate potential solutions
- 4. Evaluate pros and cons
- 5. Select the solution that seems best
- 6. Make a specific plan: what, where, when,

with whom

- 7. Attempt the solution
- 8. Review & problem solve



Thank you for your attention!

Don't forget you can give anonymous feedback: https://forms.gle/JH7RBGdVrTsFMCmu6

