Evaluation of the Avoidance and Fusion Questionnaire for Youth (AFQ-Y)

- And Psychological Inflexibility in Adolescence

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Overview of presentation:

- 1. Why measure psychological in/flexibility?
- 2. What is psychological in/flexibility?
- 3. Psychometric Properties of the Avoidance and Fusion Questionnaire for Youth (AFQ-Y)
- 4. Next step, in an on-going study see if;
 - a) Are there higher levels of Psychological inflexibility among inpatient youth?
 - b) Can a short ACT-group-treatment help inpatient youth?
 - Are improvements mediated by increased psychological flexibility?





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Why measure psychological in/flexibility?

There are many good reasons for identifying a theoretically driven construct that mediates improvements, some are;

- 1. It makes it possible to demonstrate by which process an intervention is effective (i.e. psychological in/flexibility)
- 2. When we know what processes makes a treatment effective, this gives theoretical indications for how a treatment might be improved.
- If we can identify a stable theoretically driven construct, we can better identify and help existing populations with burdened children and adolescents.





Drop-out from treatment Depression Psychosis Anxiety Chronic pain Burnout & Stress Work performance Experiential Avoidance Parenting Stigma/prejudice Properties of health care Obesity Obesity Chronic medical problems Chronic medical problems Chavla & Ostafin, 2007; Hayes et al., 2006.

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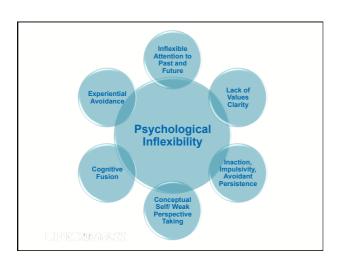
Psychological flexibility is...

... the ability to contact the present moment more fully as a conscious human being, and to change or persist in behaviour when doing so serves valued ends.









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Why test AFQ-Y again?

- ✓ Has been tested once: Greco, L. A., Baer, R. A., & Lambert, W. (2008). Psychological inflexibility in childhood and adolescence: Development and evaluation of the Avoidance and Fusion Questionnaire for Youth. Psychological Assess., 20(2), 93-102
- ✓ The results have not yet been replicated by an independent group of researchers.
- Two (independent) publications in peer-reviewed journals is a standard for high quality.
- ✓ To test the generalizability to another country and its language and culture (Sweden).





AFQ-Y8 We want to know more about what you think, how you feel, and v number between 0-4 that tells <u>how true</u> each sentence is for you.		o. Read ea	ıch senten	ce. Then, o	circle a
	Not at all True	A little True	Pretty True	True	Very True
My life won't be good until I feel happy.	0	1	2	3	4
2. My thoughts and feelings mess up my life.	0	1	2	3	4
3. The bad things I think about myself must be true.	0	1	2	3	4
4. If my heart beats fast, there must be something wrong with me.	0	1	2	3	4
5. I stop doing things that are important to me whenever I feel bad.	0	1	2	3	4
Karolinska Institutet			OF	RUI ör psykosocia	M al hälsa

Setting and participants

- All adolescents included in the study were admitted to inpatient units at The National Board of Institutional Care (NBIC).
- NBIC, a Swedish government agency that delivers institutional care and treatment for young people (12-20 yrs.) with problems where other interventions have proved insufficient



Setting and participants

- ✓ 160 adolescents with ages 15-20 years (mean of 17.2)
- ✓ Recruited to a quasi-experimental outcome study examining the possible effects of an ACT groupintervention as an addition to treatment as usual (TAU).
- ✓ A total of nine units located all over Sweden recruited participants, (5 ACT, 4 TAU)
- ✓ Males 59%, females 41%
- ✓ 91 adolescents got ACT+TAU, 59 got TAU without ACT.





Reliability - Does AFY-Q measure in consistent way

1. Test-retest to check stability (2 weeks apart)

Results show high reliability; AFQ-Y17, r = 0.86, p < 0.001AFQ-Y8, r = 0.83, p < 0.001

2. Internal consistency by Cronbach's alpha

The AFQ-Y demonstrated a good level of internal consistency;

AFQ-Y17 had an alpha value of 0.93 AFQ-Y8 had an alpha value of 0.90





Reliability – Does AFY-Q measure in consistent way

3. Internal consistency by principal component analysis (PCA) with an oblique rotation

AFQ-Y17

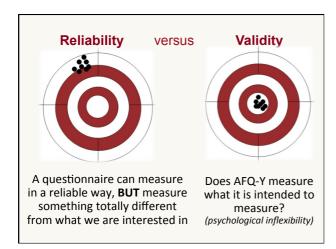
Has a strong first factor. A one-factor solution can be accepted. However, item 5 and 14 don't fit the scale so well.

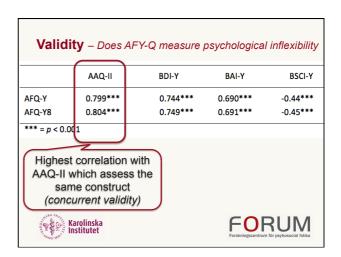
AFQ-Y8

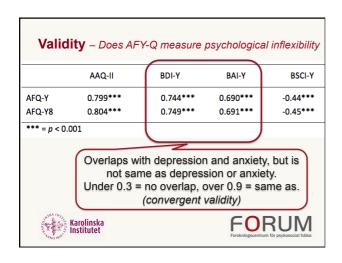
Show a clear one-factor solution (items 5 & 14 are dropped in AFQ-Y8)

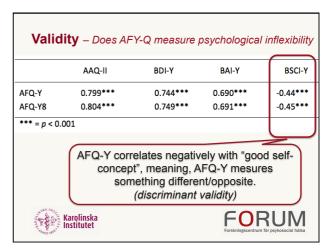












Conclusion - Psychometric Properties of the AFQ

This validation of the AFQ-Y17 and AFQ-Y8 by independent researchers shows;

- Both AFQ-Y17 and AFQ-Y8 measures in a reliable way (reliability).
- 2. Both AFQ-Y17 and AFQ-Y8 captures a latent construct we call *Psychological inflexibility* (validity)
- 3. Both AFQ-Y17 and AFQ-Y8 works well in Sweden.
- AFQ-Y8, had almost as good psychometric properties as the 17-item scale, the short version is recommended for application where the length of measure is a concern.
- The AFQ-Y (both 8- and 17 items) may be a valuable clinical tool in reflecting changes in psychological in/ flexibility among adolescents.

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FORUM

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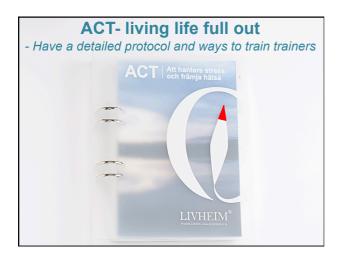


Session 1: What do I consider important in life? Session 2: What do I consider important in life? Session 3: What's stopping me? How to deal with this? Session 4: What's stopping me? How to deal with this? Session 5: To be kind to myself

ACT- Living life full out

Session 6: How can I create the life I want to live? How to deal with difficulties on the way?





Times we have measured

✓ Before interventions

During interventions (2 weeks in) During interventions (4 weeks in)

- ✓ After interventions
- ✓ 1.5 years after interventions (long term follow up)





Outcome measures

- ✓ Becks youth scales

 - ✓ Anxiety
 ✓ Depression
 - ✓ Anger
 - ✓ Antisocial behaviour
 - ✓ Self concept
- ✓ Alcohol use (AUDIT), Drug use (DUDIT), Objective measures?
- ✓ Experiential avoidance (Acceptance and Action Questionnaire, AAQ)
- $\checkmark~AFQ-Y,~17~items,~$ (Avoidance and Fusion Questionnaire for Youth)
- $\checkmark \ SDQ \ (\text{Strength and difficulties Questionnaire, teacher \& student})$
- ✓ SRD (Self Reported Delinquency)
- ✓ Loads of background variables





Registers as outcome measures inpatient (SiS)

(1.5 years after inclusion)

- ✓ Outpatient register
- (kontakter med vård + mer eller mindre valida diagnoser)
- ✓ Inpatient register
- (om man skrivs in, vårdtider mm)
- √ The crime register
- (domstolsbeslut, "släpar" 1.5 år)
- ✓ Social services for youth (LVU, registrering av kotnader mm)
- ✓ Drugs and medication register





Thank you!

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