severe mood disorder [1] mania bipolar I hypomania -cyclothymia normal mood (euthymia) bipolar I depression

Bipolar Disorder

affects 2% of UK population, 0.1%-4.4% worldwide [2]

Clinical recovery

What?

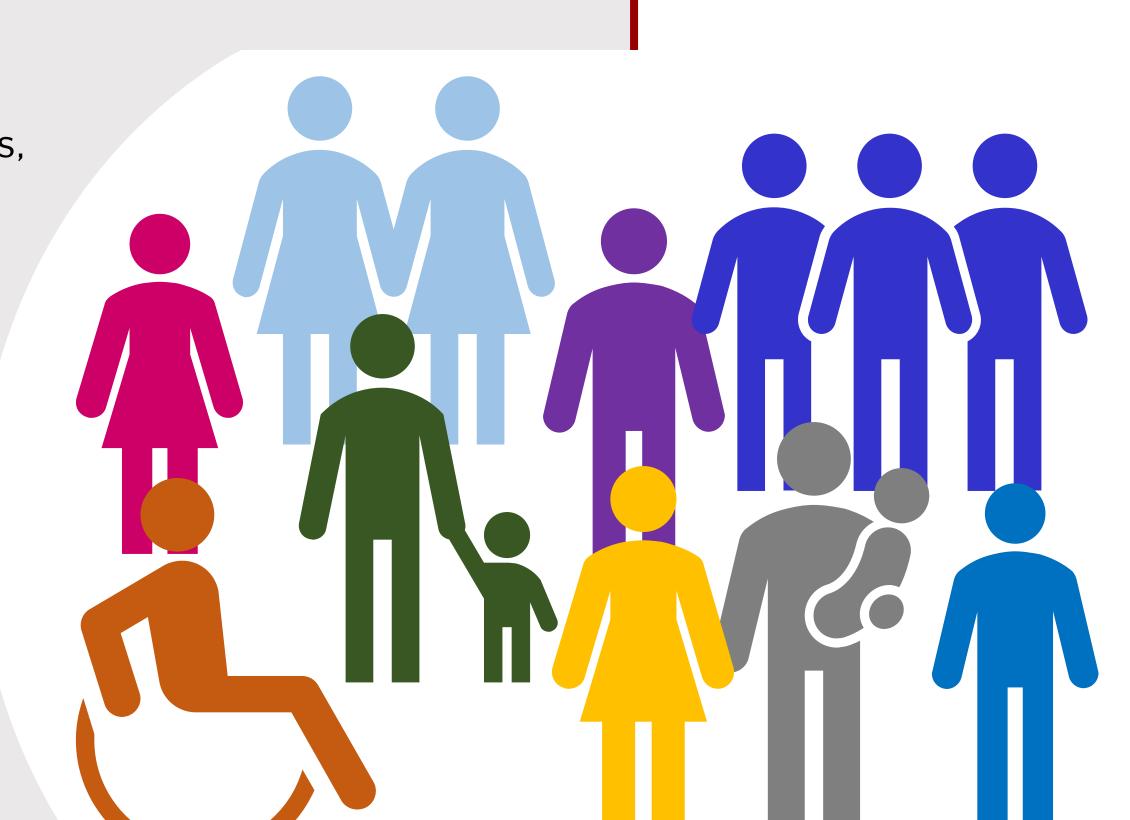
no symptoms for >= 8 weeks, difficult to sustain

Personal recovery

satisfying, hopeful, contributing life even with imitations caused by illness [3]

Components [4]

Connectedness Hope and optimism Identity Meaning and purpose **E**mpowerment



How do people describe personal recovery experiences in bipolar disorder in structured and informal settings?

Who?

Lancaster University



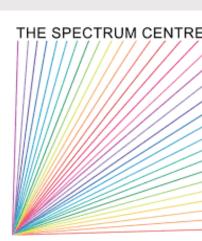


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Paul Rayson



Why?

Motivation

research so far: structured settings, small samples, Western, English speaking participants

- → leverage large quantities of 'natural' statements from social media
- → better understanding of personal recovery to improve mental health care for bipolar disorder

Research questions

How do individuals diagnosed with bipolar disorder talk about personal recovery online? What new insights do we get about facilitators or barriers of recovery?

- Western population, English-language posts
- diverse ethnicities, multilingual posts

How?

Methods

Approaches

- exploratory quantitative → qualitative data analysis
- corpus & computational linguistics methods:
 - language & country identification
 - sentiment & emotion analysis
- identify users via self-reported diagnosis statements, e.g. 'I was diagnosed with bipolar disorder'

Challenges

- identifying relevant content: what is 'about recovery'?
- missing/unreliable demographic information
- text analysis tools/resources mainly available for English

concordance: term context

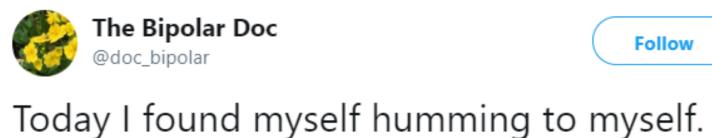
ough at this point in my recovery to know when I need a cou or the input! Are there recovery centers that are for ment Someone in the middle of recovery from an episode is not in about my mental illness recovery through a local chapter o us out) strengths based recovery model which is delivered recovery ward mental health I 'm in a recovery program responsible for your own recovery ? What plans have you mad do I disagree that your recovery depends on your partner b way to possibly the best recovery of my life which I 'm sti

therapy as a tool in my recovery from severe childhood abu

ch is worth the agony of recovery . But it is there for me ty and focus on your own recovery . You ca n't save everyon ull time job has been my recovery . I have used therapy as

Data

Twitter: public tweets



That, my friends, is what recovery looks like.

It's slow & painful. One step forward, two steps back... but you can get there... 1:49 PM - 11 Mar 2019

14 Retweets 167 Likes 🕟 🌑 🔀 🙄 🚳 🌑 🥌

Reddit: public posts

🚫 r/bipolar · Posted by u

My favorite recovery song

Facing the sun by fritz kalkbrenner. I love this song, good times and bad times and I think the lyrics tell a lot about myself. text paraphrased

88% Upvoted

■ 4 Comments A Share B Save O Hide Report

Blogs

longer, more carefully edited texts, manually selected: less quantity, ask for individual consent

Ethics

Approaches

- consult service user panel
- ethics committee approval
- share data only for research under usage agreement

Challenges

- mental health sensitive information, even more combined with ethnicity
- consent: Twitter & Reddit terms of service allow research use of public posts, but deidentify and paraphrase tweets/posts to protect anonymity of vulnerable users [5]
- alarming content: risk of (self-harm)
 - → only analyse posts older than 3 months

References

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