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Innovation in understanding and responding to self-harm: the Card Sort Task for Self-Harm (CaTS)

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Self-harm is very complex and changes over time: CaTS key transitions

POLICE BOX

Key transitions are modifiable: talking therapies help (need more)

Involve those with lived experience meaningfully: how?



LANGUAGE MATTERS



•Died by suicide

Sensitive/accurate



Non-stigmatizing

•Person who ...

Emma Nielsen – Mind your 'C's and 'S's: The Language of Self-harm and Suicide (and why it matters): IMH Blog





Self-harm is ...

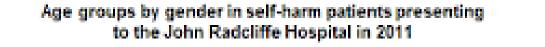


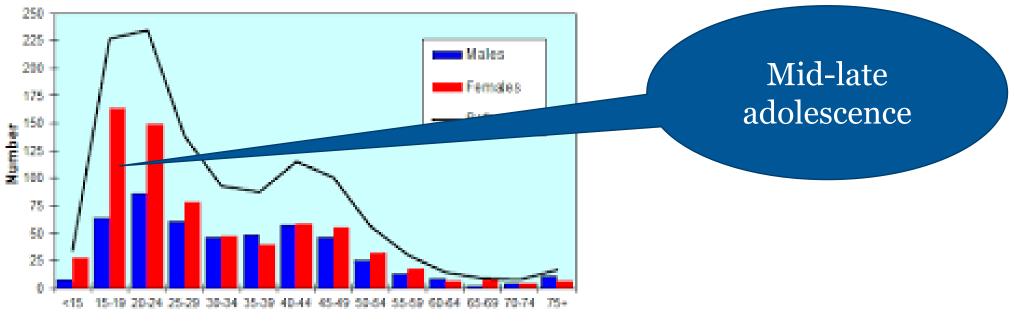
Any act of intentional selfpoisoning or self-injury, regardless of suicidal intent (NICE, 2011)





Oxford Monitoring System for Attempted Suicide





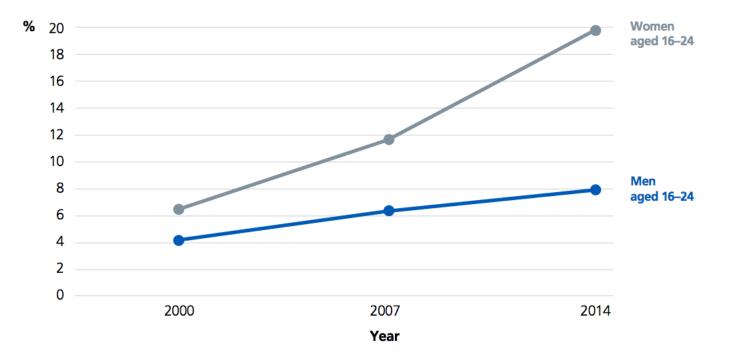
50% CYP suicide → previous SH → prevention Suicide – leading cause of death 5-19 years England (ONS)





Self-harm ever (reported face-to-face) in 16–24 year olds, by sex: 2000, 2007 and 2014

Base: adults aged 16–24 and living in England



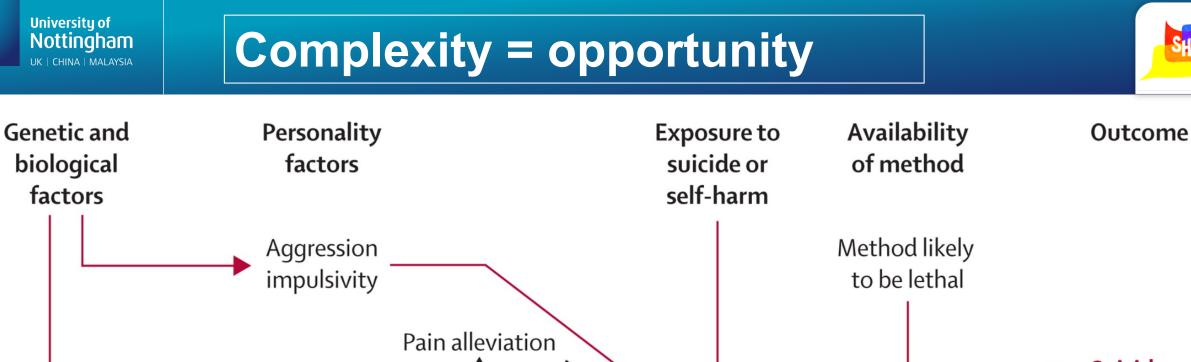
ADULT PSYCHIATRIC MORBIDITY SURVEY 2014

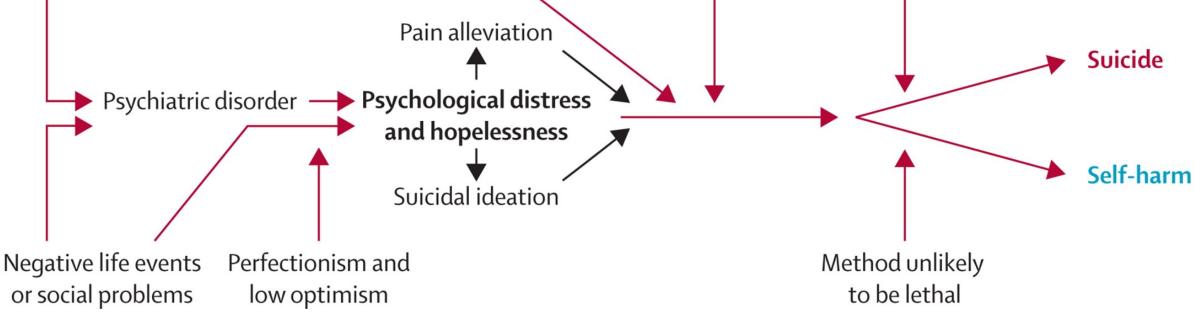


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Self-harm is complex

It evolves and changes over time





Hawton et al. Lancet 2012, 379, 2373-2382







Complexity

Card Sort Task for Self-Harm (CaTS)

Temporal relationships?

Sequence analysis(Order matters)



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SHRG

"okndge**f** heOfowle ua pmenfutaheno, tmost vaaluoable tho Oohnn se tusare the to **the o t suc**dv**ce** a **ssion**. relatsaurting **rder**to th relate ese is fod evwtery Strt M reaso of ure nable antipn fa oatiof cts, andunde e pothower possesflues llheir whhof invice se fa to o truicths aan *we* 1) Thoughts

"Of all the truths relating to phenomena, the most valuable to us are those which relate to the order of their **succession**. On a knowledge of these is founded every reasonable anticipation of future facts, and whatever power we possess of influencing those facts to our advantage." (John Stuart N V, 1851)

Events

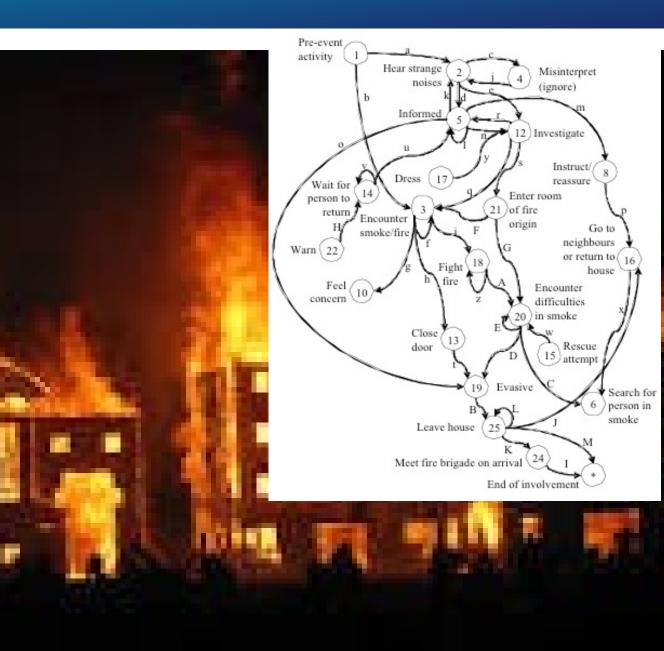
Feelings

Sequence Analysis in capturing complexity and time

- Understand patterns of actions/events
- Events past

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- Complex casual factors
- Dynamic interplay

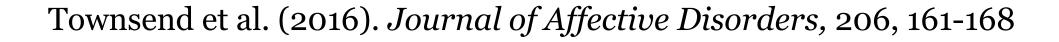






- Test novel task to examine thoughts, feelings, events and behaviours prior to/following SH
 Card Sort Task for Self-Harm (CaTS)
- 2. Sequence analysis: What are the important **sequences of factors** leading to self-harm?
- 3. First ever vs most recent episode SH

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- CaTS co-created with Advisory Group of YP: Harmless
- 117 cards thoughts, feelings, events, behaviours
 - E.g. "I was not afraid of death", "I felt trapped", "I was depressed and sad", "I was drunk"
 - Participants could create additional cards
 - Timeline: 6mo, 1mo, 1 week, 1 day, 1 hr before/after
- First time and most recent episodes
- •VAS mood at start and end
- Mood repair

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• SH past 6 months, age 11-21 years



Card sort task for self-harm (CaTS)





Townsend et al. (2016). Journal of Affective Disorders, 206, 161-168







Top 5 cards used

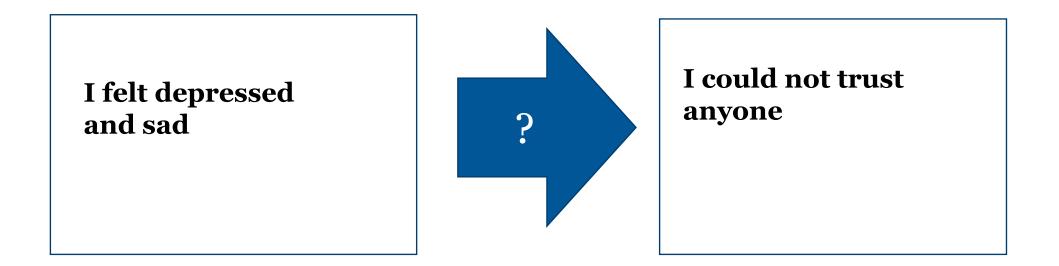


First episode of self-harm	Most recent episode of self- harm
I felt depressed and sad	I felt depressed and sad
I could not tell anyone how I was feeling	I could not tell anyone how I was feeling
I hated myself	I isolated myself from others
I isolated myself from others	I hated myself
I felt worthless	I felt like a burden on people





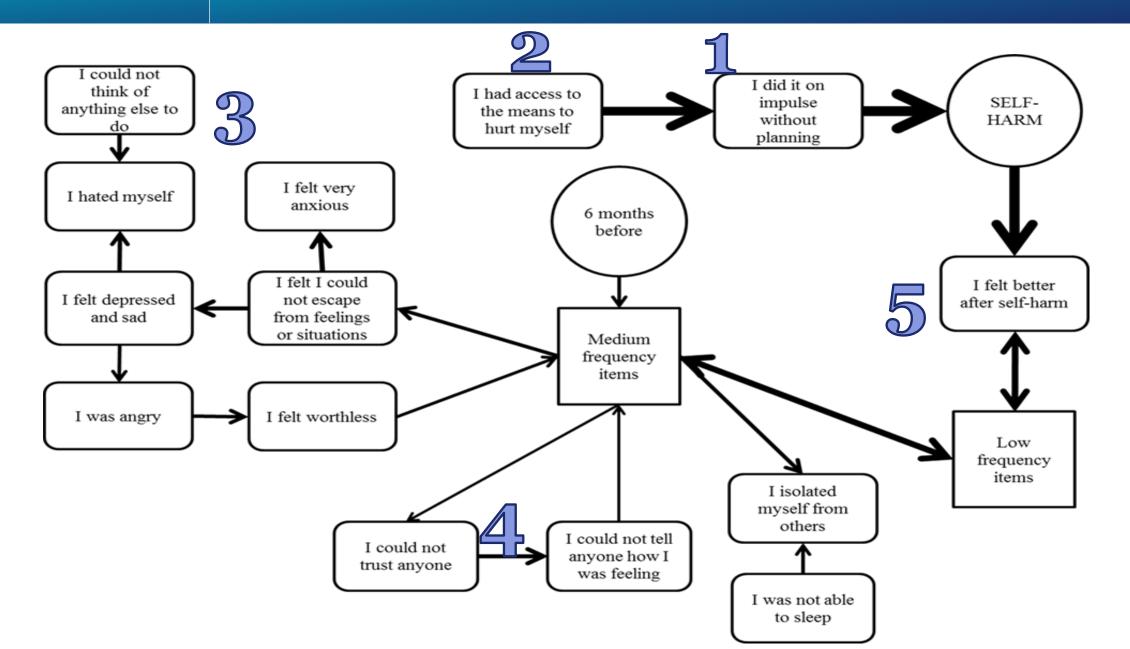
- Do we observe a sequence/pattern over time?
- How how often did card pairings occur?
- Which card pairings contribute most strongly to sequence?

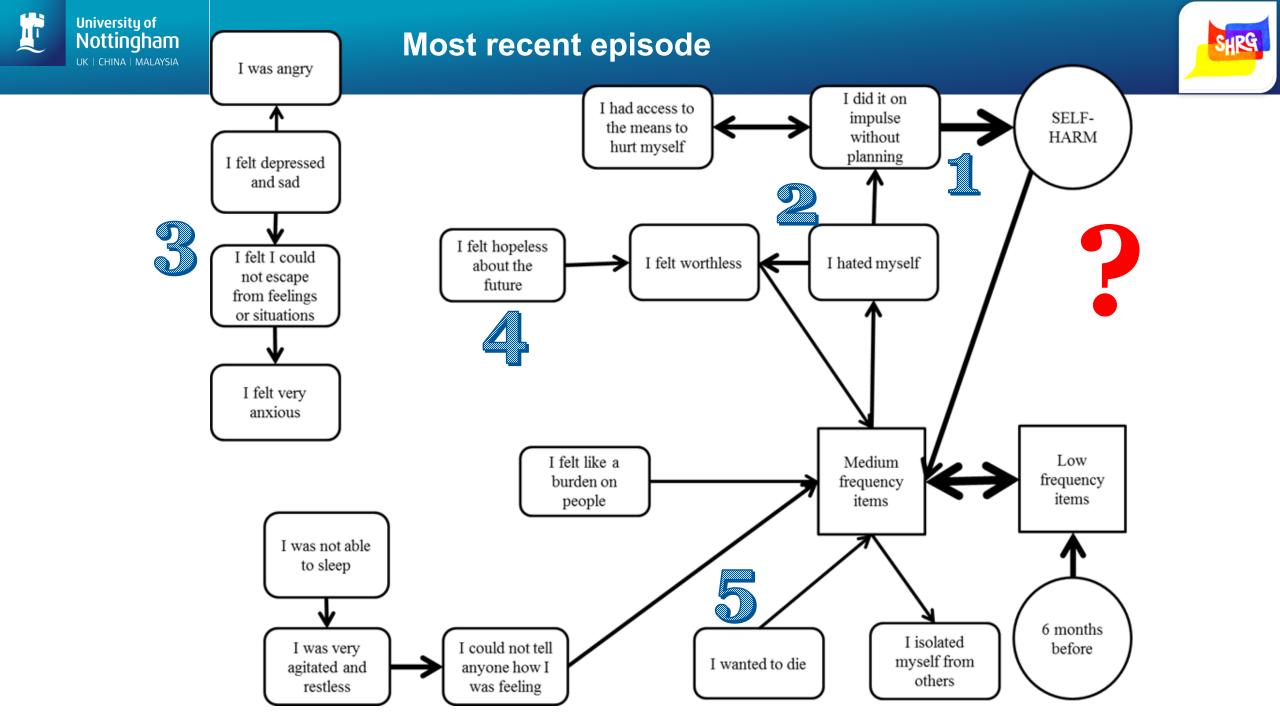




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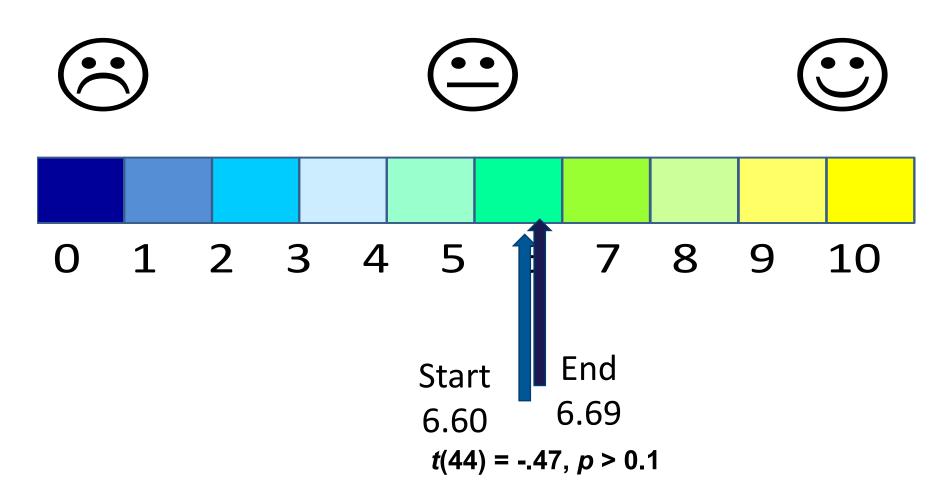








Impact of taking part ...







- SHRG
- More complexity? What if looked-after? Impact on sequences?
- Wadman et al (2017) *British Journal of Clinical Psychology*



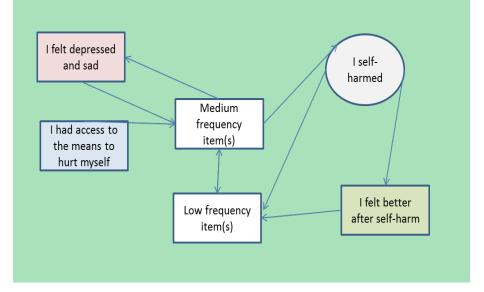




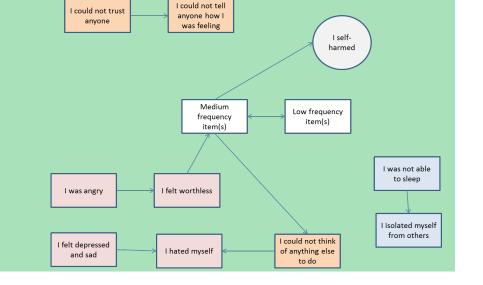
LOOKED-AFTER

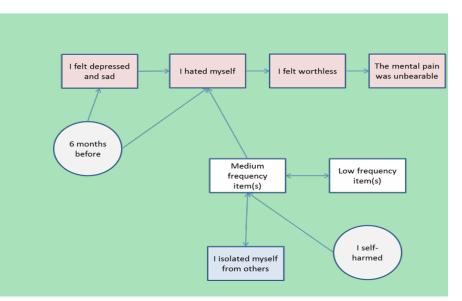
CONTRAST

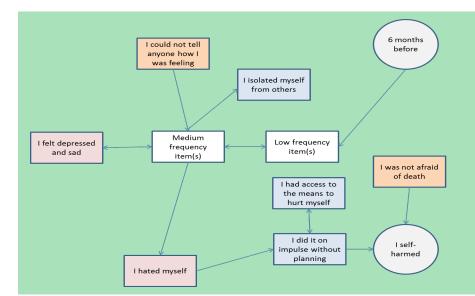




FIRST EVER







MOST RECENT





Online recruitment



More time stamps

Use cards more than once





You can also use the circular buttons above the columns to show where new cards should be placed.

Thoughts -		Feelings 🗸	E	vents 🗸	Behaviours -		Support -	Afterwards -	
• More than 6 months before	6 months before	0 1 month before	0 1 week before	Arrange o 1 day before	ards here: 1 hour before	O Just before	O I self- harmed	Immediately afterwards	C Later on afterwards





Sequential pattern

Impulsivity key factor proximally

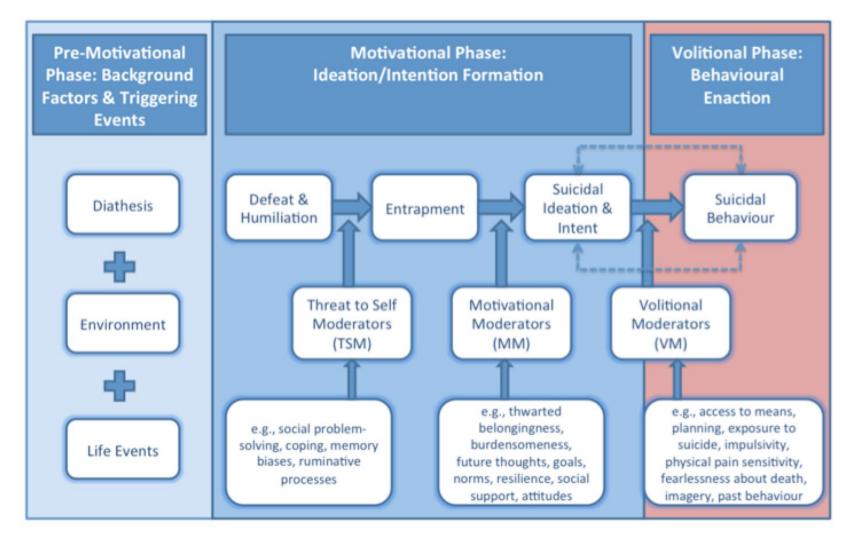
Many cards added- after

Useful for adults too



CaTS: Findings support IMV model

Figure 1. The integrated motivational–volitional (IMV) model of suicidal behaviour



O'Connor, R.C., Kirtley, O.J. (2018). The Integrated Motivational-Volitional Model of Suicidal Behaviour. *Philosophical Transactions of the Royal Society B.* 373: 20170268.

University of Nottingham UK | CHINA | MALAYSIA **Study 4: CaTS interview - impulsivity**

SHRG

Two modified tasks:

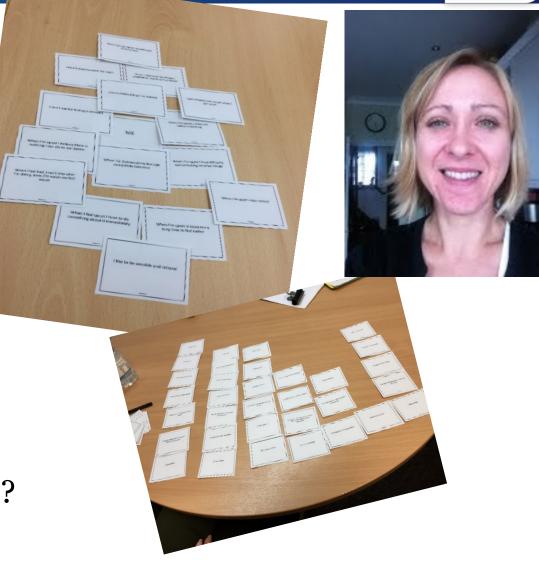
All about Me (first task)

25 cards + blank cards – select cards that best capture how you would describe yourself

My experience

43 cards + blank cards Follows the CaTS timeline approach - shortened time frame

- Structured springboard for nuanced dialogue
- Support understanding conscious awareness?
- Build rapport and reduce power differentials



Lockwood et al (In prep)





YP valued CaTS: benefit – discussing stages, progression and change

Multidimensional understanding of impulsivity made sense to YP

All about me: highest frequency cards \rightarrow managing/tolerating negative emotion





Self-harm changes/evolves: assessments implication.

CaTS summary

Recent self-harm: fearlessness of death, access to means, wish to die, hopelessness, impulsivity

Underlying emotional distress, particularly depression anger and self-hatred important

Regular monitoring and assessment vital: restrict access to potentially fatal means

CaTS clinical utility as an assessment tool: start difficult conversations, track change over time



SHRS

"I especially loved the card sort task as I helped me to look at and understand my experience and communicate this across within the research. I was able to complete the task freely in my own time and in my own way"







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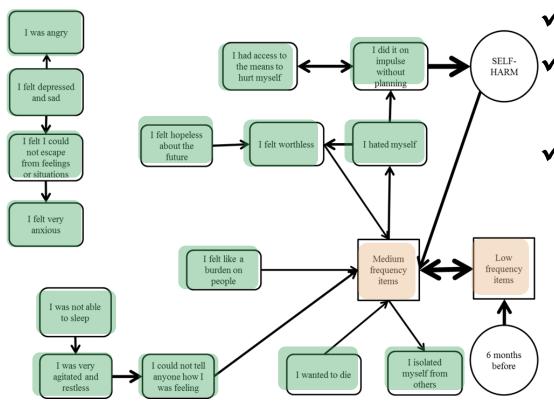
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transitions are modifiable

Talking therapies help – we need more

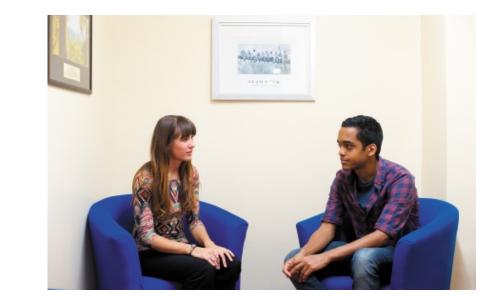






Factors in key transitions = modifiable

 ✓ Means access
 ✓ Negative thoughts and emotions, and impulsivity →PS, CBT, DBT,MBT
 ✓ (Hawton et 2015: 2016 Cochrane Reviews)





Interventions for children and adolescents

MBT <u>does</u> reduce number repeating SH (*K*=1)

DBT <u>does</u> improve depression, hopelessness, ideation (K=1)

DBT <u>does not</u> reduce number repeating SH (or frequency) (K=2)



Cochrane Database of Systematic Reviews



Interventions for self-harm in children and adolescents (Review)

Hawton K, Witt KG, Taylor Salisbury TL, Arensman E, Gunnell D, Townsend E, van Heeringen K, Hazell P

Cochrane Database of Systematic Reviews 2015, Issue 12. Art. No.: CD012013. DOI: 10.1002/14651858.CD012013.

No other intervention significant reduction in number repeating SH



Interventions for those over 18







Psychological therapies ('talking treatments') may help people who self harm.

Ū,

New Cochrane review; 55 studies, where a total of 17,699 participants were randomized to receive either a psychosocial intervention or the care they would normally have received.



uk.cochrane.org | @ukcochranecentr | #cochraneevidence | bit.ly/1NsL8X2

Best of the Cochrane Library: 2016 in review: Cochrane Library. DOI: 10.1002/14651858.CD012189.



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Involve those with lived experience

meaningfully: How?



CaTS: Co-creation via Listen-up



UPPOR

nconsistency

AUTH

HAVE YOUR SAY

transitions where you

EXPRESSIONS

OMMENTS

PRIORITIES

the environmental factors. = + environmental factors. = family + relationships. = family friends

ulps

factors

PROFESSIONALS

FONT

SPEECH BUBBLE

ISTEN

BRIGHT COLOURS GREEN ; PURPLE ?

BLUE ? OKNISE

Young people share their reactions to Listen-up! project findings

posted Jul 15, 2016, 11:43 AM by Ellen Townsend [updated Jul 18, 2016, 1:58 PM]

In this podcast, young people reacted to our finding using the Card Sort Task for Self-Harm (CaTS) that self-harm them feel better the first time they self-harmed, but this effect disappeared over time. (See Townsend et al (20 Uncovering key patterns in self-harm in adolescents: Sequence analysis using the Card Sort Task for Self-Harm http://www.sciencedirect.com/science/article/pii/S0165032716303585





CaTS: Co-creation via Café Connect







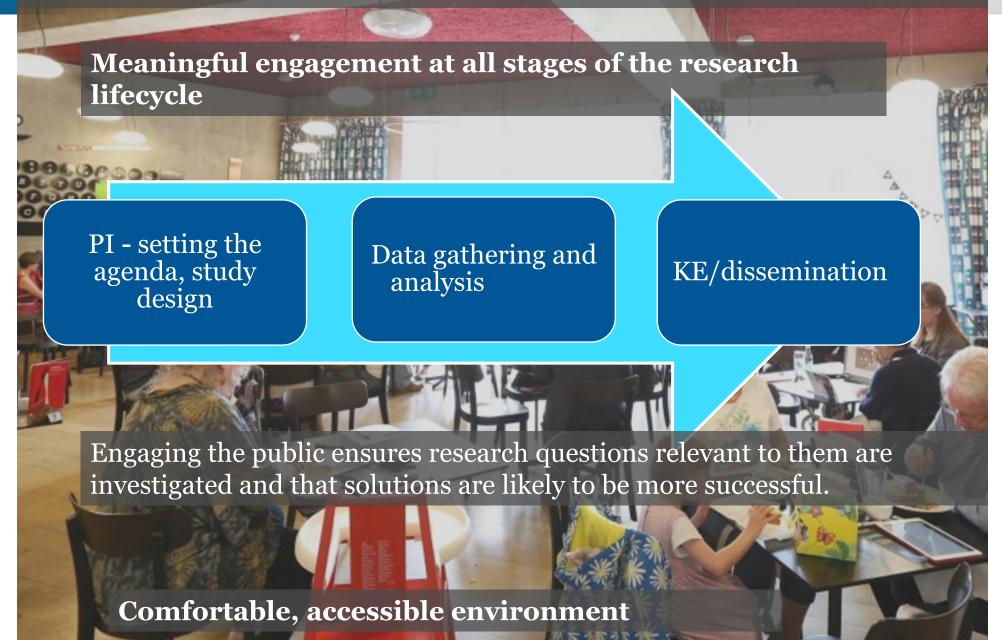
Self-harm can be difficult to talk about – help us find new ways





Café Connect ...

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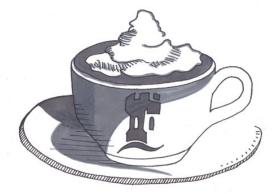
wellcome

Why a café?

- Relaxed, welcoming atmosphere
- Serendipity



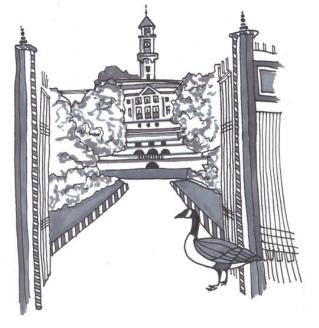








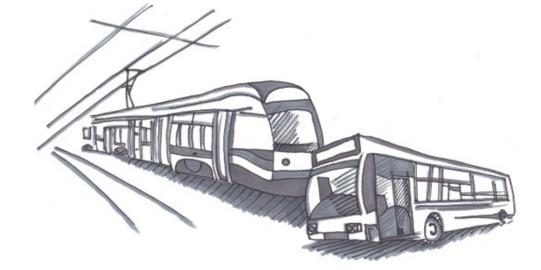
Why in the city centre?







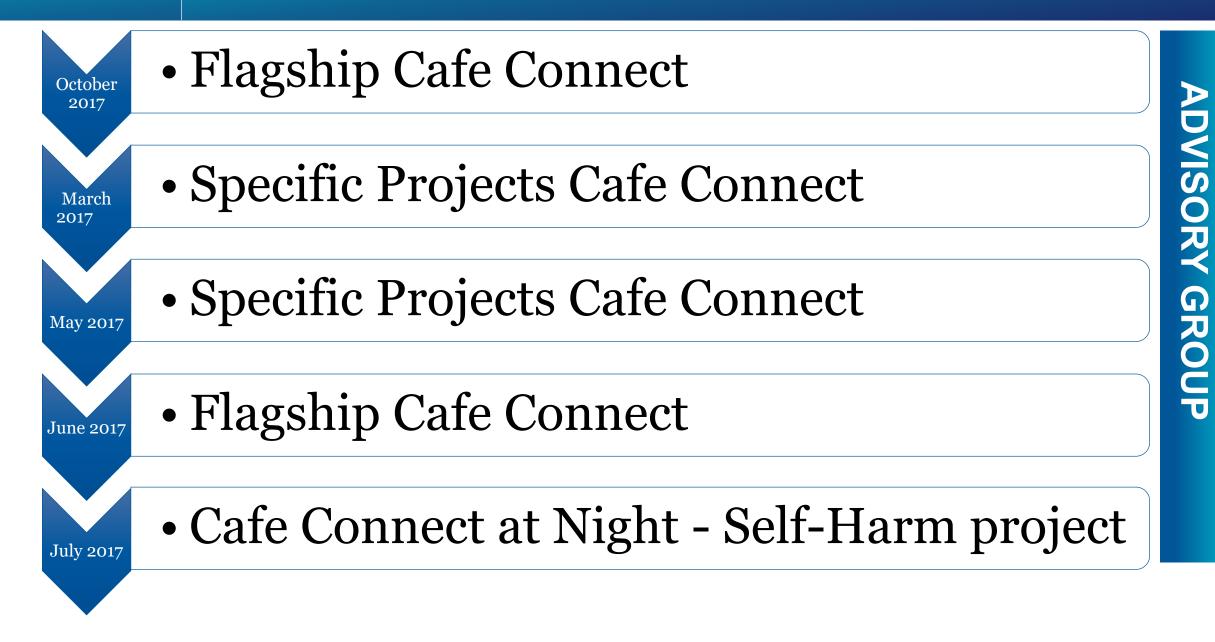








What we did ...



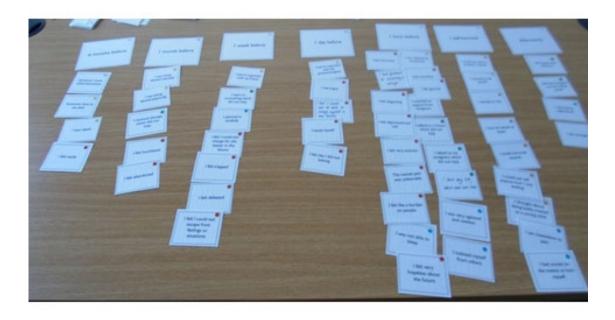








Card sort task for self-harm (CaTS)



https://sites.google.com/view/self-harm-research-group

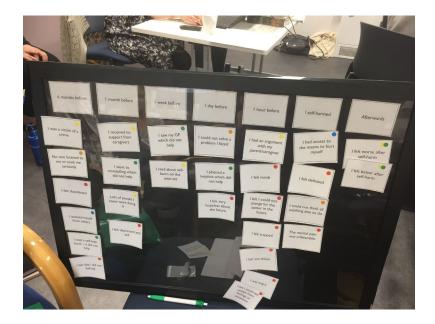


CaTS in training frontline staff - consultation



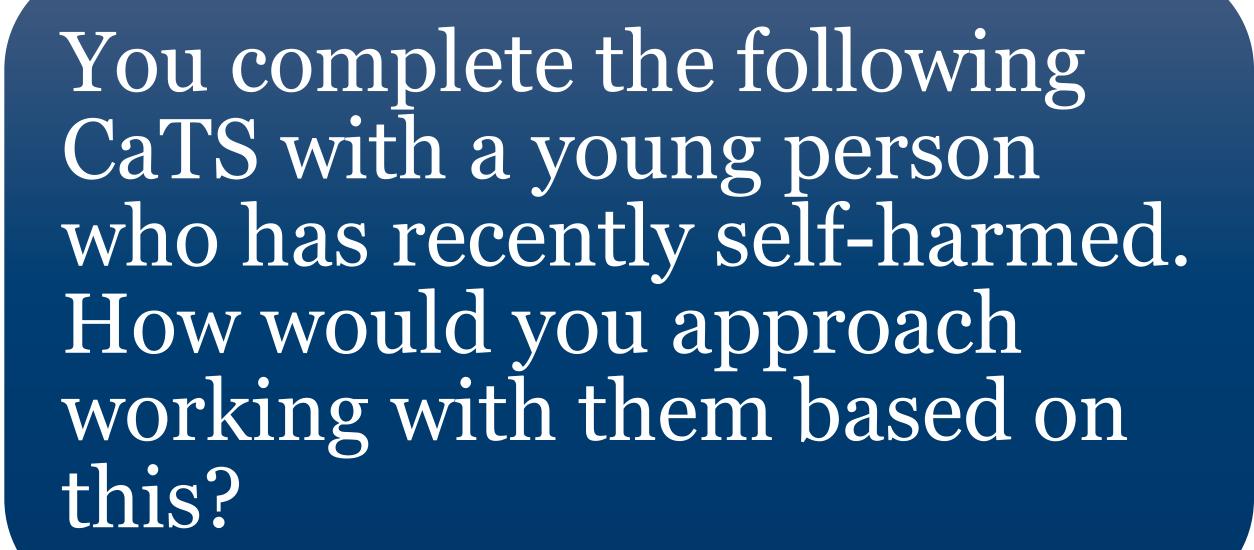
Complex! Need more info/time Discussions were key Thinking about timing







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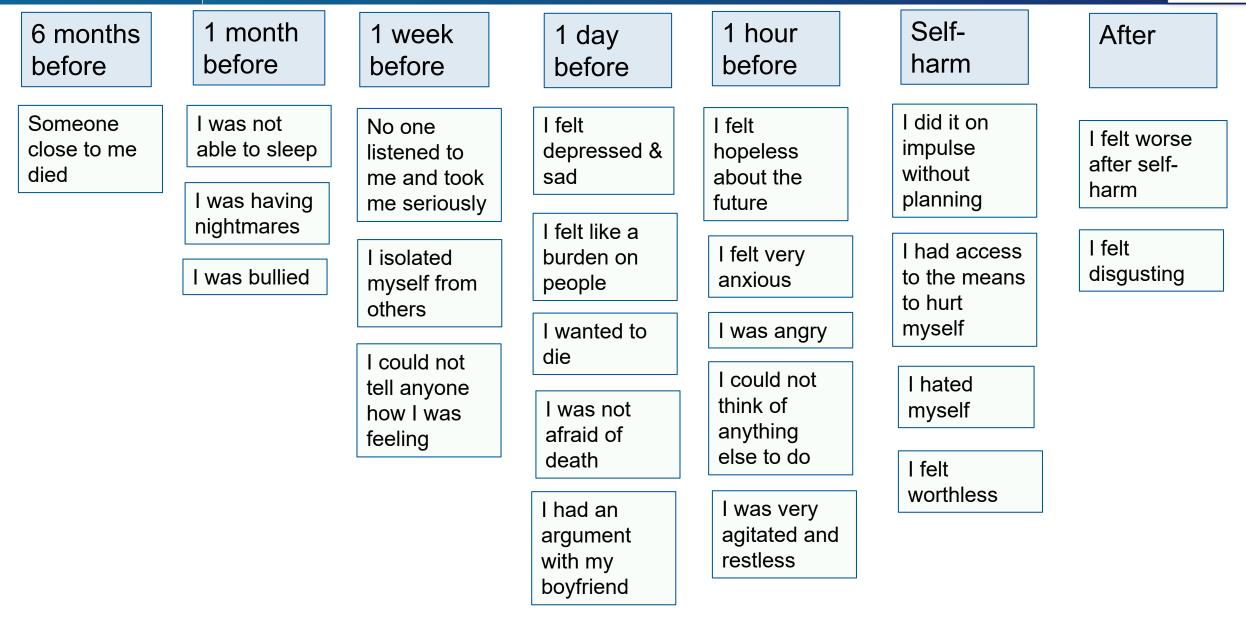
CaTS: Most recent episode by young person X

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Self-harm is very complex and changes over time: CaTS key transitions- we've got this!



Key transitions are modifiable: Talking therapies help (need more <18) – access is issue



Involve those with lived experience meaningfully: embedded in research practices- Listen-up! Café Connect





Hawton K, Witt KG, Taylor Salisbury TL, Arensman E, Gunnell D, Townsend E, van Heeringen K. Hazell P (2015). Interventions for self-harm in children and adolescents. <u>*Cochrane Library.*</u> <u>https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD012013/abstract</u>

Hawton K, Witt KG, Taylor Salisbury TL, Arensman E, Gunnell D, Hazell P, Townsend E, van Heeringen K. (2016) Psychosocial interventions for self-harm in adults. *Cochrane Library*. *DOI:* 10.1002/14651858.CD012189.

Hawton K, Witt KG, Taylor Salisbury TL, Arensman E, Gunnell D, Hazell P, Townsend E, van Heeringen K. (2016) Psychosocial interventions following self-harm in adults: A systematic review and meta-analysis. *Lancet Psychiatry*, DOI: <u>10.1016/S2215-0366(16)30070-0</u>

Nielsen, E. (2016) <u>https://imhblog.wordpress.com/2016/01/22/emma-nielsen-mind-your-cs-and-ss-the-language-of-self-harm-and-suicide-and-why-it-matters/</u>

Townsend E, Wadman R, Sayal K, Armstrong M, Harroe C, Majumder, Vostanis, Clarke. (2016). Uncovering key patterns in selfharm in adolescents: Sequence analysis using the Card Sort Task for Self-harm (CaTS), *Journal of Affective Disorders*, 206, 161-168

Wadman R, Clarke D, Sayal K, Armstrong M, Harroe C, Majumder P, Vostanis P, Townsend E. (2017) A sequence analysis of patterns in self-harm in young people with and without experience of being looked-after in care. *British Journal of Clinical Psychology*._doi: 10.1111/bjc.12145

<u>CaTS training workshop slides: http://www.nspa.org.uk/wp-content/uploads/2019/02/Reducing-self-harm-in-young-people.pdf</u>



https://sites.google.com/view/self-harm-research-group





Our Advisory Group of young people

Participants

Participant Engagers

Front-line staff

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@selfharmnotts









