

Applying the BMC Youth Model: three case studies (follow-ups)

Presented by

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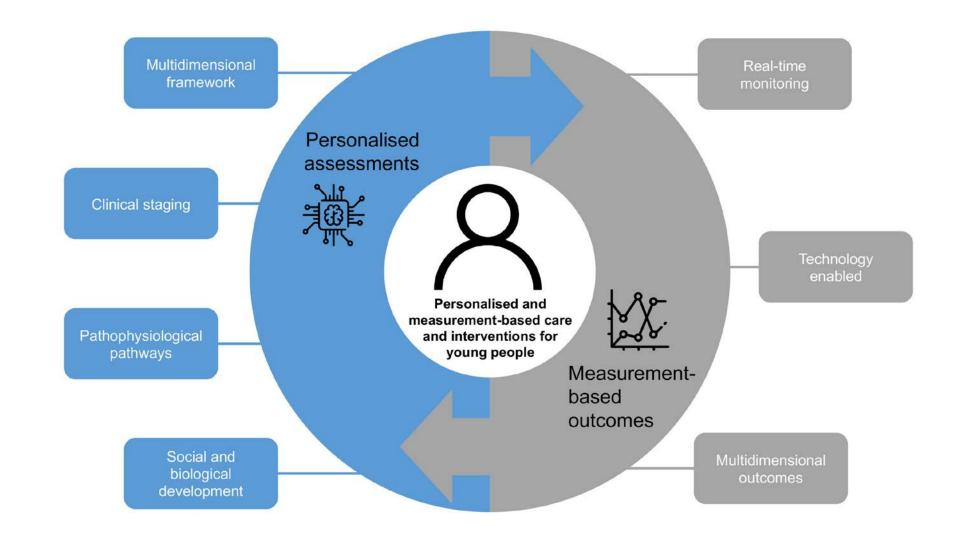


Acknowledgements

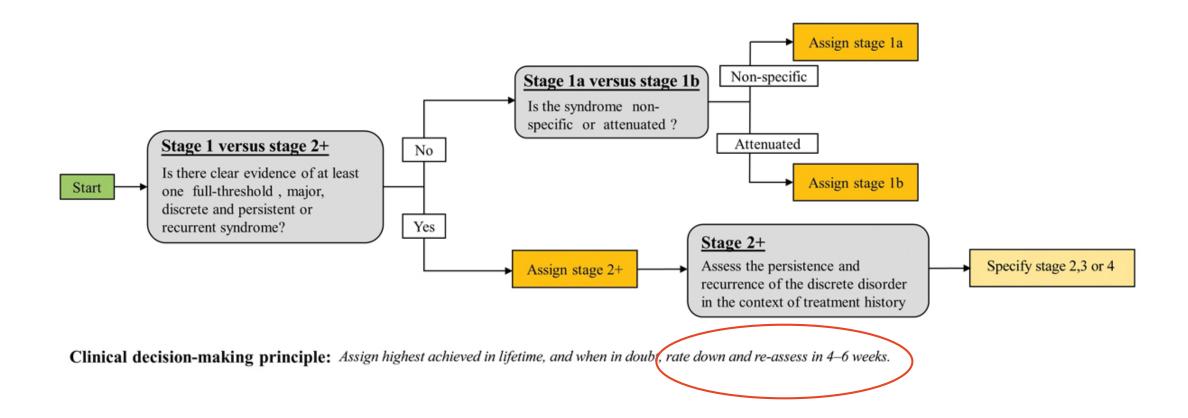
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Reminder – staging decision tree



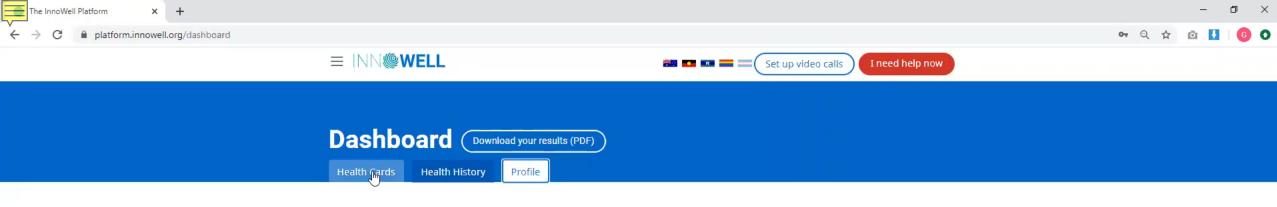
Outline for Case Studies webinar

Applicability of the BMC Youth Model for three case studies at various follow-up points:

- Case study 1: JANE (17 years old)
 - Stage 1a transition to Stage 1b
- Case study 2: ANNE (22 years old)
 - Stage 1b (persisting)
- Case study 3: SIMON (19 years old)
 - Stage 2 (confirmed)

Conflict of interest declaration: The University of Sydney and PwC each have a 45% shareholding in InnoWell. The remaining 10% shareholding is evenly shared between Professor Jane Burns and Professor Ian Hickie

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Jane Doe

Preferred name: Jane

Email: grace.lee@sydney.edu.au

Date of birth: 2003-03-08T00:00:00

Suburb: Sydney

State: NSW

Primary language: English
Indigenous status: No

Gender identity: Female
Gender at Birth: Female
Number of Children: No Children

Level of Education: Year 12 or equivalent

Disability: No
Government Benefits: No

Living Circumstances: Living with family (including partners and dependents), friends, or flatmates)

Support Circumstances: Dependent on services, relatives, or the people with whom you live

Relationship Status: Single (and have never been married)

Sexual Identity: Straight



headspace - team case review: Digital navigator includes Jane (17 years old) for review as they noticed marked deterioration during the latest check-in via video-visit

Case presentation:

Following her initial in-clinic visit, Jane was assigned Stage 1a and developed a shared care plan including online apps and e-tools (including CBT) in association with a headspace digital navigator who would monitor her data over time with the InnoWell Platform, including monthly check-ins using video-visits for up to 3 months.

Video-visit at 1 month: Jane stated she had dropped out of high school and is not going to sit her final exams. She seemed relieved, less anxious and noted she would be looking for a job in retail to make ends meet (and her parents happy).

Video-visit at 2 months: Jane is yet to find a job and her parents are now very distressed about her decision to leave school resulting in lots of tension and fights at home. She has become depressed, has lost contact with all her school friends and has stopped playing sports on the weekend. Along with low mood, Jane also describes day-time fatigue, oversleeping and a persistent lack of interest in everyday activities. In addition, her previous disturbed eating behaviours have worsened with periods of binging and purging more frequent. She also describes "punching her legs" when taking a shower.

Mental State Examination:

- Jane has appeared to gain weight, her hair is unkempt, and she is poorly dressed
- She is also preoccupied and sad about her body shape, as well as her perceived "rejection" by friends and family

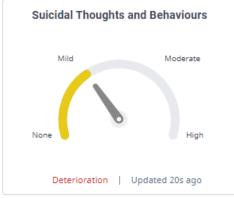
Jane's most recent multidimensional assessment results:















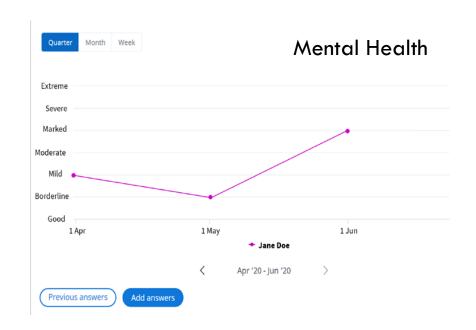


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Monitoring Jane's outcomes over the past 3 months:

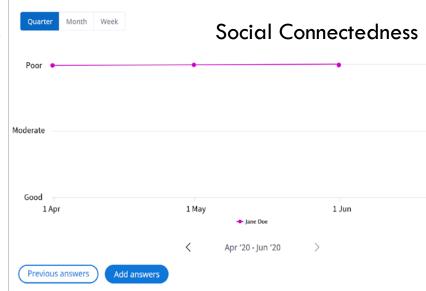








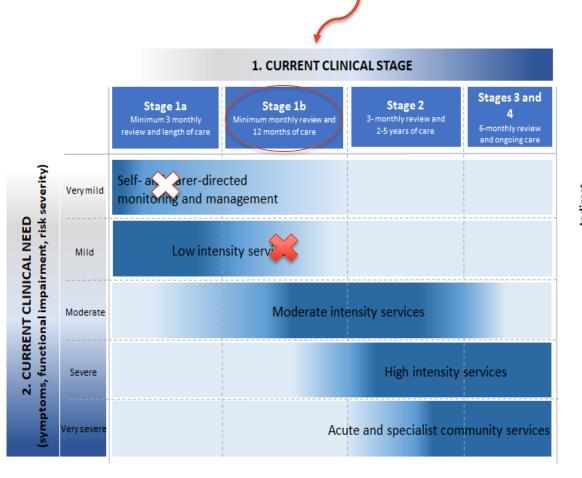


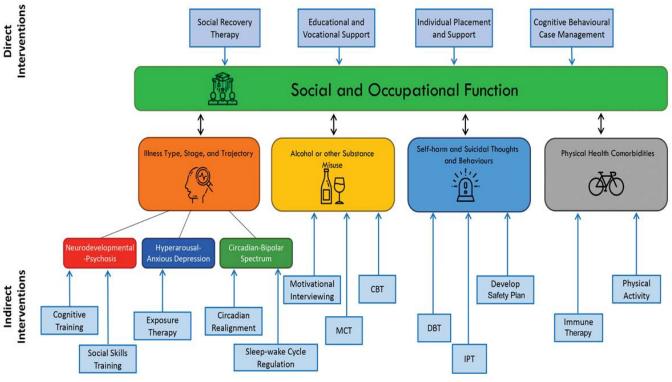


Jane's clinical stage transition and sequencing of care options?

Stage 1a transition to Stage 1b:

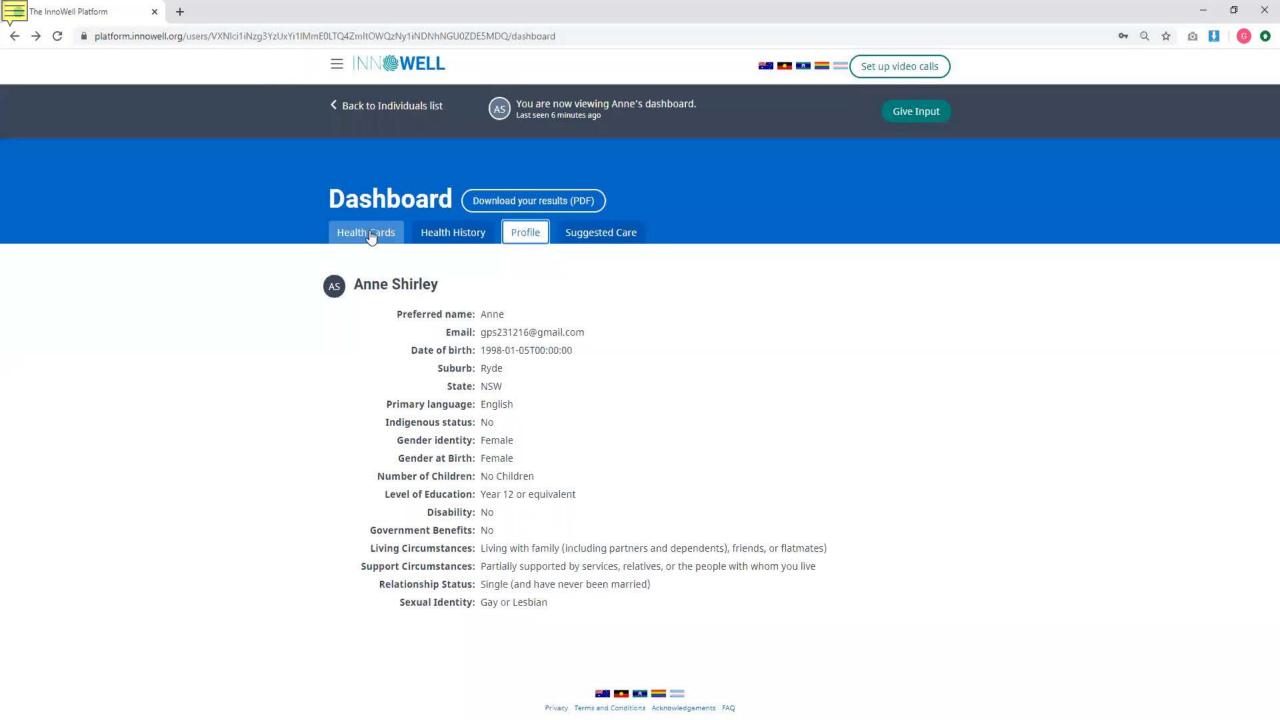
Ongoing video-visits but now supplemented with in-clinic visits (as required) with the care team





Further assessment & care options discussed:

- Individual CBT to improve mood and recover functioning
- **Interpersonal therapy** to improve eating and self-harm behaviours
- Behaviour activation to increase activity, improve mood and overall health
- Plans for educational/vocational support to sit final school exams
- Case management to increase social connectedness and general participation in community
- Inclusion of parents in new shared care plan
- Consideration of medication options



Student counselling service — team case review: Treating student counsellor includes

Anne (22 years old) for review following a serious suicide attempt

Case presentation:

Following her initial in-clinic visit, Anne was assigned Stage 1b and developed a shared care plan including a suicide safety plan, some online apps and e-tools for mindfulness and alcohol support, as well as psychological therapies for depression, anxiety and psychosis-like experiences. It was agreed with her counsellor to predominantly use video-visits via the InnoWell Platform, and supplement with in-clinic visits when required over a 12-month period.

Anne participated in CBT for approximately 3 months. However, her mood still deteriorated, paranoia worsened, and she stopped attending all sessions as she refused to talk with people during daylight hours. With the intention to "...make it all go away...", Anne took an overdose of painkillers mixed with alcohol. Her house-mates called an ambulance and Anne was admitted to hospital. At discharge, a Mental Health Acute Care Team nurse contacted the treating counsellor who immediately set up a video-visit to see Anne that same day.

During this video-visit, Anne said she was convinced her house-mates were conspiring to harm her and that other people in her street could tell from her Eurasian appearance that she was "bad". Her mother also attended the video-visit and explained that Anne had withdrawn from university and was now moving back home. Her mum also noted how Anne believed she "...shouldn't trust anyone who isn't family...". Anne further described a sense of being cognitively damaged and unable to function properly, and that she was hearing people comment on her every move from the moment she woke up. This has led Anne to drink even more heavily to dull the thoughts.

Mental State Examination:

- Anne would only be seen in the presence of her mother and was clearly distracted
- She was agitated, hypervigilant and really didn't want to be in the session
- Anne's answers were coherent, but short in nature and without much elaboration

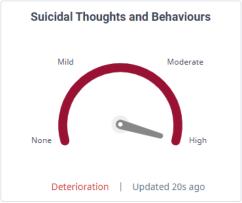
Anne's most recent multidimensional assessment results:

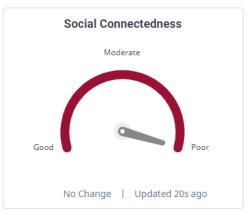


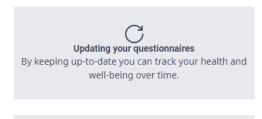














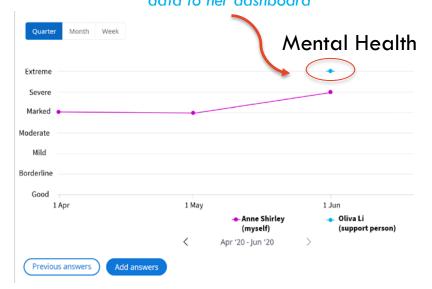
Monitoring Anne's outcomes over the past 3 months: Anne's mother now also contributing

* Supportive other input (blue):

data to her dashboard





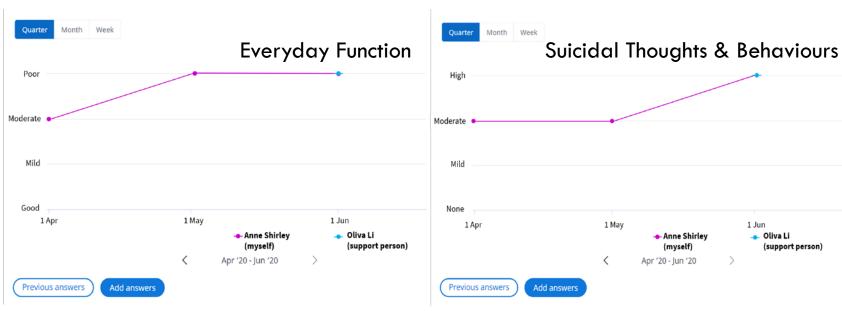


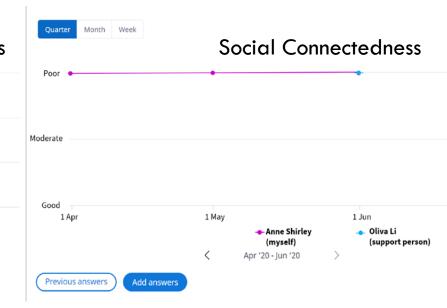
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(myself)

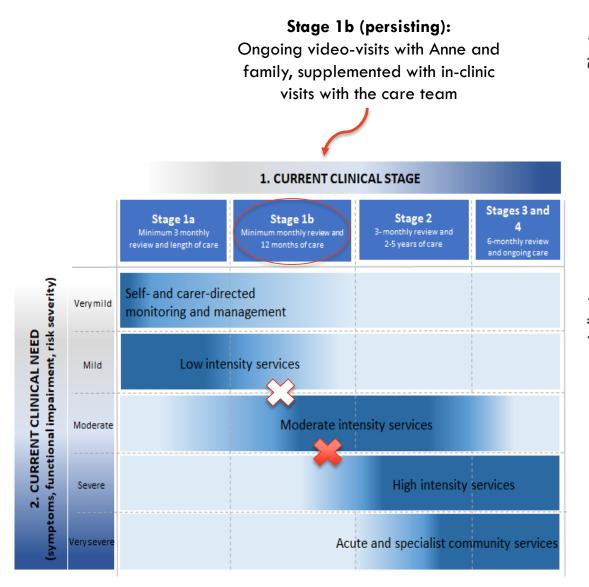
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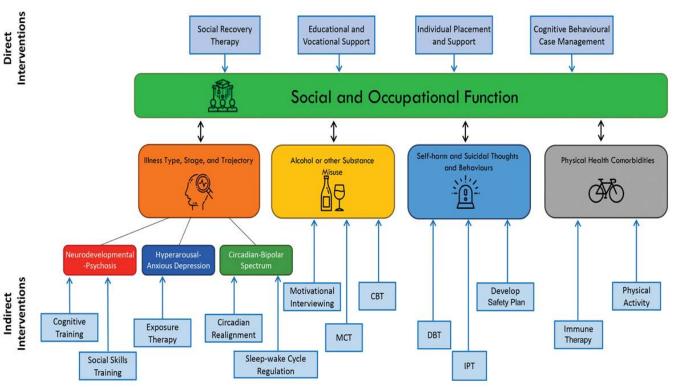
(support person)





Anne's clinical stage transition and sequencing of care options?





Further assessment and care options discussed:

- Assertive case management to recover functioning and return to university
- Continue individual CBT to improve mood and reduce distress associated with psychosis-like experiences
- Inclusion of a **psychiatrist** within the care team
- Consideration of **medication options**
- Neuropsychological assessment to assess cognitive decline





SB Simon Bindi

Preferred name: 5i

Email: d.fitzgerald@sydney.edu.au

Date of birth: 2000-10-23T00:00:00

Postcode: 2222
Suburb: Moodlu
State: QLD

Primary language: English

Indigenous status: Aboriginal
Gender identity: Male

Gender at Birth: Male
Number of Children: 1 Child

Level of Education: Year 10 or equivalent

Disability: No

Government Benefits: Yes: Unemployment benefit (eg. Youth Allowance or Newstart Allowance) **Living Circumstances:** Living with family (including partners and dependents), friends, or flatmates)

Support Circumstances: Independent

Relationship Status: Married or living with partner

Sexual Identity: Straight



Aboriginal Health Service — team case review: Treating health professional includes Simon (19 years old) for review following the emergence of a hypomanic episode

Case presentation:

Following his initial in-clinic visit, Simon (or Si) was assigned Stage 2 (provisional) and developed a shared care plan including a suicide safety plan, online app to track his mood, psychological therapies for depression, functioning and substance misuse as well as individual placement and support services. It was also agreed with his health professional that care would be best delivered using in-clinic visits and supplemented with more frequent online video-visits via the InnoWell Platform to monitor progress real-time.

In-clinic visit at 3 months: Outcome monitoring showed 'no change' in Si's mood. After consultation with his wider kinship, Si was prescribed an antidepressant to which he again had a reasonable symptomatic response and minimal side effects. Together with an Aboriginal Liaison Officer, Si and his family arranged casual work at an Uncle's business with the prospect of an electrician apprenticeship. However, on shift Si was increasingly distracted, needing regular cigarette breaks and asking for afternoon naps.

In-clinic visit at 6 months: Si presented with his girlfriend. While Si excitedly stated "...he had never felt better..." (happy, energetic, creative), his girlfriend described that he had become ridiculously active in the past couple of weeks — Si had started engaging in protest organisations, frantically writing and preparing screen plays, and leaving the house very early in the morning and returning home in the middle of the night without spending any meaningful time with his family. He was also not turning up for work at his Uncle's business, and he boasted about his achievements for the 'Black Lives Matter' movement and how the global protests depend on him.

Mental State Examination:

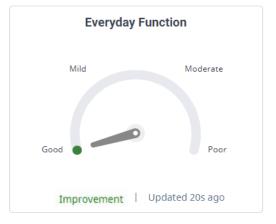
- Si's speech was rapid, jumbled and difficult to understand
- He also frequently interrupted his girlfriend and the health professional with loosely related ideas
- Si appeared agitated, was unable to sit still, and stood up several times to express his frustration with the slow assessment

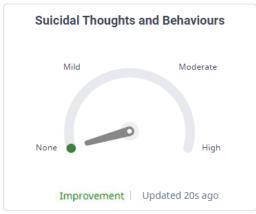
Si's most recent multidimensional assessment results:

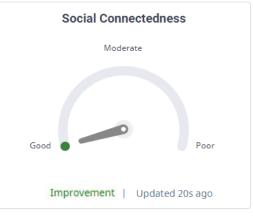
















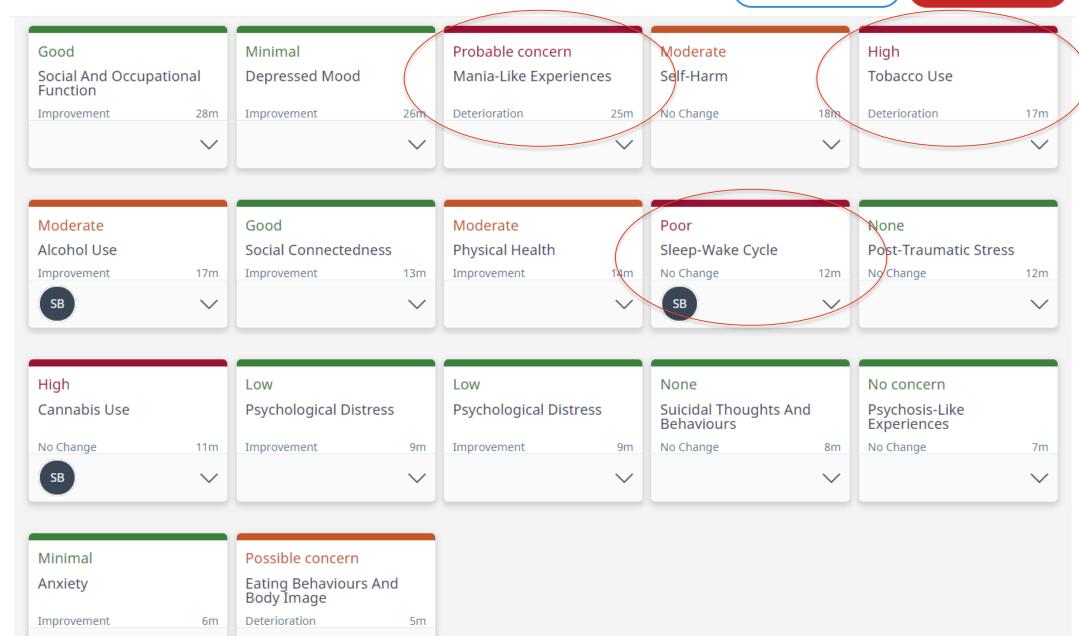
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I need help now



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Monitoring Si's outcomes over the past 6 months:



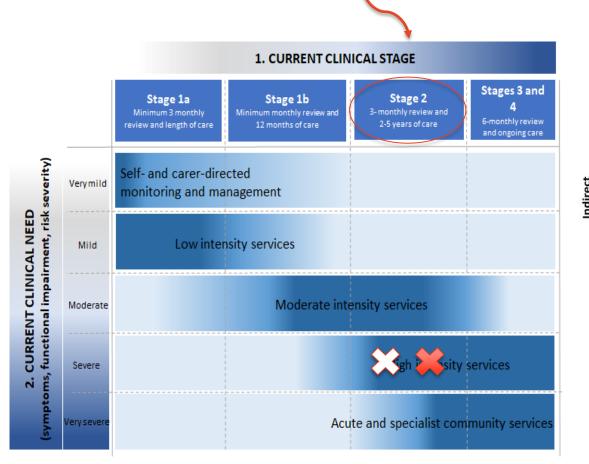


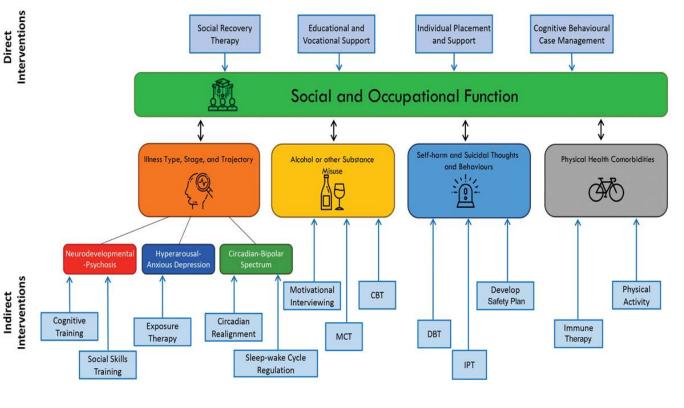


Si's clinical stage transition and sequencing of care options?

Stage 2 (confirmed):

Ongoing in-clinic visits with family and kin, supplemented by video-visits for real-time case management and monitoring of medication response





Further assessment and care options discussed:

- Outpatient trial for new medication
- Hospitalisation for risk mitigation
- Psychoeducation with family and kin
- Continued psychological intervention using Interpersonal and Social Rhythm Therapy with a clinical psychologist
- Long-term individual placement and support to help Si return to work and study

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Summary...

 Use of health information technologies enable a digiHealth solution to practically adopt the BMC Youth Model of Care into clinical practice, including:

Multidisciplinary team review

Routine outcome monitoring

Revision of staged care decisions

• Further assessment and sequencing of treatment options

 Training in use of the BMC Youth Model can also be delivered specific to a service by one of the BMC's clinician-researchers (such as A/Professor Elizabeth Scott). If you are interested, please contact grace.lee@sydney.edu.au





Thank you!

All resources & recordings can be found on bmc-research.engagementhub.com.au

The Brain and Mind Centre would like to thank our research partners, such as





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