Bipelar

What is Bipolar disorder?

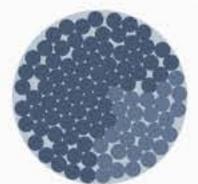
Bipolar disorder is a common disorder affecting mood and behaviour, manifested by repeated episodes of mania/ hypomania and depression. An individual is the most likely to have their first episode occur when a teenager/ young adult. On average it takes 9.5 years to get a correct Bipolar diagnosis.





Toose with Bipolar disorder experience sleep fluctuation between feeling a decreased need for sleep and being tired with no energy. This is due to the irregularity Bipolar disorder causes with the Circadian Rhythm.

Project Justification





44% Heritability

72% of people knew no one else with the disorder

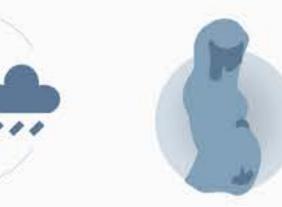


67% of people with Bipolar disorder received no self-management advice when diagnosed.





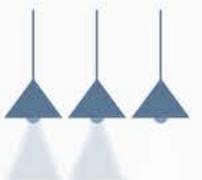
Genetics can act as a trigger for Bipolar disorder. The Social Rbythm Disruption was found to effect 25% to 65% beritability of Bipolar is estimated to be 44% and effect of individuals with Bipolar disorder before a manic episode. first-degree relatives.



Perimenstrual, Postnatal, alongside Menopausal periods Seasonal Effective Disorder occurs in around 25% of were shown to increase moods in 77% of women.

to sound sensitivity.

Gender Neutral



Lighting can affect the bodies Circadian Rhythm, this can People with Bipolar disorder can develop Hyperacusis due have extreme effects for someone with Bipolar disorder.



Mood stabilisers can act as a long term treatment when







Psychoeducation is order to recognise the signs and symptoms of a manic or depressive episode.

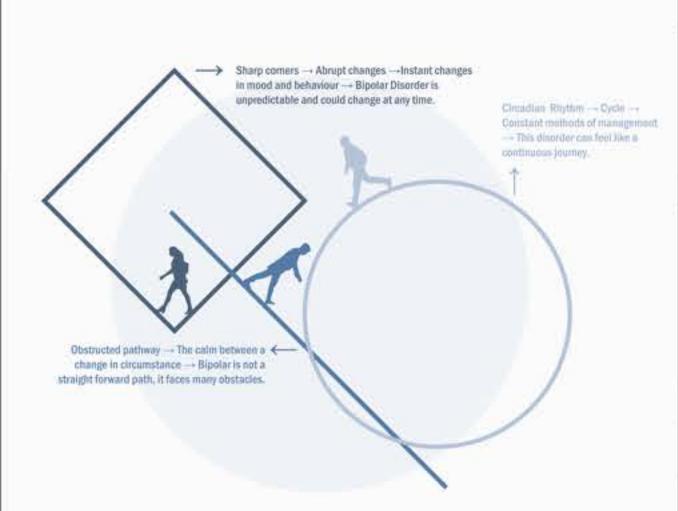


18 years - 40 years

Those affected by Bipolar disorder,

Friends and Family

Design focuses

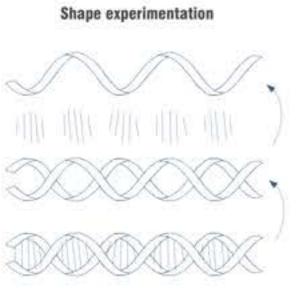




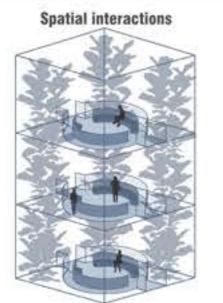
The client 'Bipolar UK' is a national charity focused on supporting those with Bipolar disorder and the families affected. Bipolar UK was selected as the client for this project due to its national prominence and specialist focus on supporting individuals affected by bipolar disorder. Aligning the design with the charity's mission, enhances its relevance, impact, and potential for real-world application.

Equinox Community Hub

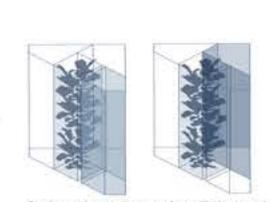
Key design development



The commection between Bipolar disorder and DNA initiated the inspection of the forms within a DNA strand, particularly how these curved forms insect. The mirrored non-linear shapes produce a balance between openness and enclosure.



Experimenting with the spatial Interaction between floors lead to a deeper exploration into the benefits of Biophelic architecture for those with Bipolar disorder.



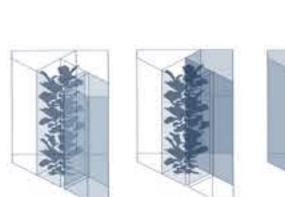
Within the UK 1:50 people have Bipolar disorder, however, upon diagnosis only 28% of people knew someone else with the disorder. In the UK there is approximately 1 psychiatrist for every 1000 people with this disorder. This project will create an

accessible space to receive immediate assistance by medical professionals before hospitalisation is necessary.

Design summary

This design rejects the norms of usual medical facilities. It will be a Community Hub for people living with Bipolar disorder (18ys - 40yrs) and their immediate support systems. It will contain teaching facilities for families living with someone with Bipolar, therapy spaces, alongside spaces for people to come together to support each other. These areas will be carefully considered using Circadian lighting for the design to assist recovery and aid the therapeutic process. Light can massively impact the sleep patterns and energy levels, especially for those with Bipolar disorder, making light consideration vital.

Incorporating Biophelia



compensates for the limited access to green space outdoors.

By using an atrium as both a source of natural light and a gentle spatial divider, the design creates a positive visual and sensory distraction for users while optimising the layout. Incorporating biophilic elements also helps enhance well-being and

Materiality

The use of hard and soft materials is representative of

the calming space designed to provide support and harmony in the lives of those with Bipolar disorder. The

natural materiality combined with blue hues adds to the calming environment.

Core spaces

25. This individual therapy room is located on the first floor. It is designed to support both therapeutic sessions and routine physical check-ups that are

often essential for individuals with Bipolar disorder.

The space balances clinical efficiency with a calming

atmosphere, intentionally avoiding the sterile feel of

traditional medical environments.

23. The waiting areas are designed to support smooth circulation while serving as the heart of the building.

Circular forms are used to create a sense of unity

among users. At the center, a circular atrium with

biophilic elements acts as both a visual focal point

and a gentle divider, offering comfort and reducing

anxiety through natural, calming stimuli.

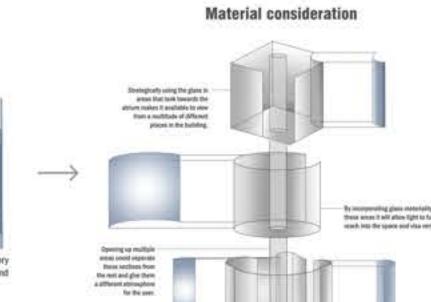
33. A relaxed communal area between the short-stay rooms, surrounding the central atrium, supports both

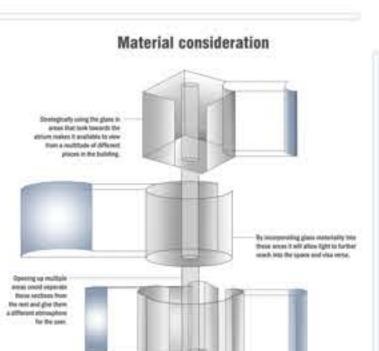
recovery and Circadian Rhythm alignment of the

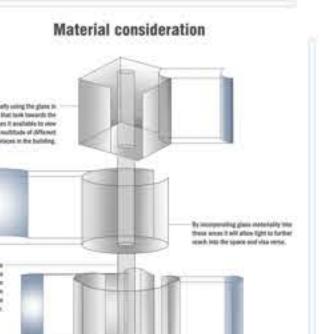
users. Integrated Circadian lighting dynamically

adjusts throughout the day, enhancing the therapeutic

environment and reinforcing natural sleep-wake







Ranked 70th out of 317 for poor physical or mental health.

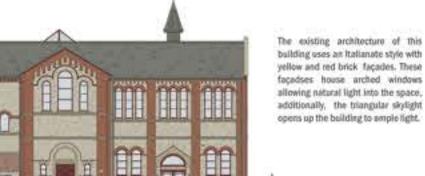
The score for "access to services" was lower than England as a whole.

Peterborough is in the 30% most deprived.

level has a distinct function, they're all connected through a shared spatial language, creating harmony and a unified

identity across the entire design.

The City Centre location offers vast access to public transport, it is in a walking distance from the bus and train station. This is vital in the consideration for those with Bipolar disorder due to the condition limiting those who can drive.



Location: Laxton Square, Peterborough, Cambridgeshire, PE1 1UQ

Site map (Not to scale)

Bus stops



28. Toilets

Commercial

Education

Religious

Retail

Residential

This axonometric breaks down the design to clearly show the relationship between each floor, demonstrating the use Second Floor: of biophilic design elements like internal plants and organic forms carried throughout the building. Although each 27. Cafe

30. Therapy room 31. Short stay room 1 32. Short stay room 2 33. Atrium space

29. Communal living area

First Floor: 18. Group study room 19. Individual study room

21. Open seating 22. Reception 23. Waiting area 24. Toilets 25. Individual therapy room area

20. Educational room

Mezzanine: 17. Quiet zone

26. Staff offices

Ground Floor: 7. Childcare room 8. Reception Main staircase

10. Consultation room 11. Waiting area 12. Educational room 13. Group therapy room area

14. Toilets 15. Fire exit 16. Staff access only

Basement: 1. Staff Offices 2. Staff lockers

