



# A new era for mental health care

LIO brings together digital rounding,  
ambient monitoring and compliance reporting  
in one unified platform for inpatient facilities.



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# Meaningful impact at every level

## Benefits at a glance



### For patients

With fewer nighttime disruptions and more responsive care, patients benefit from a calmer, safer environment where they sleep more soundly and feel supported in their recovery.



### For staff

Efficiency gains and greater visibility into patient needs and care delivery allow staff to feel more in control, less stressed and better equipped to ensure the best outcomes for patients.



### For providers

Mental health care providers see improved compliance, higher standards of care and reduced costs, along with greater patient and staff satisfaction — all contributing to safer, more resilient services.

LIO delivers proven impact,  
including fewer safety  
events, improved workflow  
efficiencies and a strong  
return on investment

# A foundation for better care

## Solution at a glance



### Digital rounding

facilitates rich data collection, reinforces adherence to clinical protocols and minimizes disruptions to patient sleep.



### Ambient monitoring

creates an ongoing understanding of patient wellbeing — strengthening situational awareness and prompting timely interventions that prevent avoidable harm.



### Compliance reporting

gives leaders a clear line of sight into day-to-day operations, helping them stay close to care delivery and uphold quality across the organization.

No wires, no wearables —  
contactless technology that  
delivers actionable data  
without adding clinical burden

## ✓ Safe and secure monitoring units

Our ambient monitoring units, equipped with infrared lights and an infrared-sensitive camera, are mounted to the ceiling and wall in patient rooms.

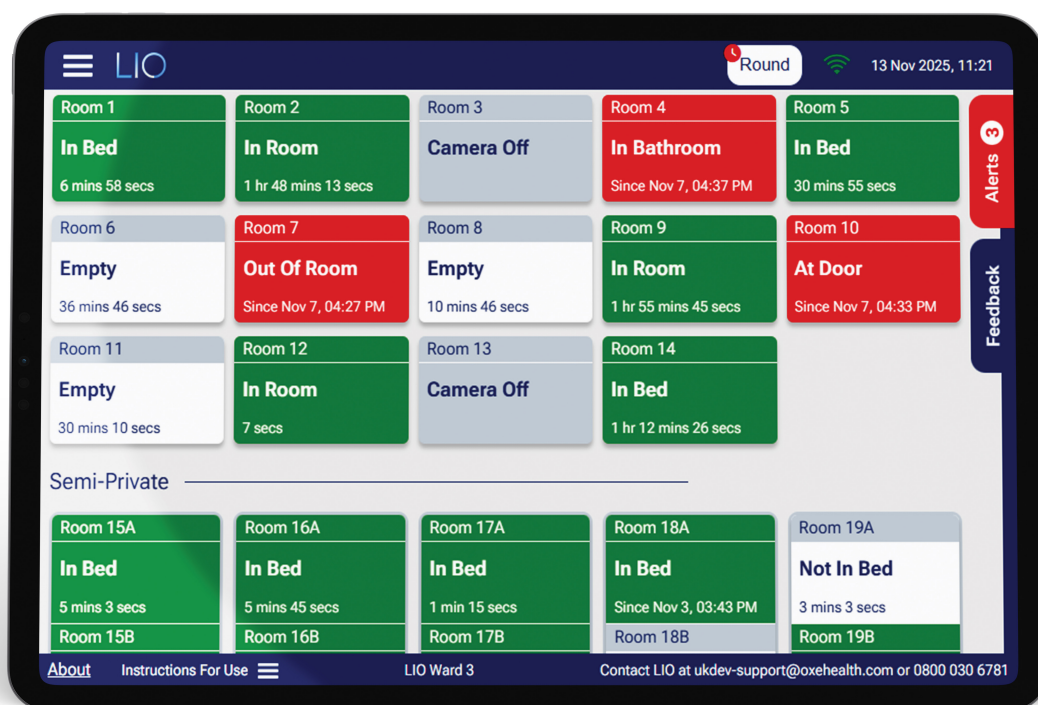


## ✓ AI-powered analysis

Images captured by the cameras are automatically processed by machine learning algorithms and transformed into actionable information.

## ✓ User-friendly interface

Staff can easily access this information via portable tablets and a fixed screen in the nursing station.





# Evidence-based technology, proven in practice

## A closer look at our outcomes

### Clinical impact

44%

reduction in self-harm<sup>1</sup>

48%

reduction in falls<sup>2</sup>

37%

reduction in assaults<sup>3</sup>

40%

reduction in use of rapid tranquillisation<sup>3</sup>

### Economic impact

4 months

to break even<sup>4</sup>

3 hours

of staff time released every 12-hour shift<sup>4</sup>



Try our impact calculator to see the difference LIO could make for your organization

[www.liohealth.com/us/impact-calculator](http://www.liohealth.com/us/impact-calculator)

## Staff experience

87%

say they can provide better care to patients<sup>5</sup>

73%

report better safety for staff<sup>5</sup>

80%

say their working environment has improved<sup>5</sup>

“Before LIO, it was constantly busy and felt like we were firefighting. Now you can take time to have meaningful interactions with patients and not just be reactive to an incident.”

Unit Manager, inpatient mental health provider

## Patient experience

81%

experience a better sense of safety<sup>5</sup>

70%

experience an improved sense of wellbeing<sup>5</sup>

71%

report sleeping better<sup>5</sup>

“Before, the staff would come in all the time during the night, turn on the lights, and would wake you up. It was very stressful, especially when on medication. Now, they don’t disturb sleep as much and I think the platform is great for that.”

Mental health patient

1. Ndebele, F., et al. (2023) 2. Wright, K., & Singh, S. (2022). Journal of Patient Safety, 18(3), 177-181; 3. Ndebele, F., et al. (2022). Journal of Psychiatric Intensive Care, 18(2), 95-100; 4. Buckley, C., et al. (2024). PLOS Digital Health, 3(9): e0000559; 5. Data based on patient and staff questionnaires conducted by eight inpatient mental health facilities.



# Data-driven decisions, patient-first care

## Features in focus



### Digital rounding



Fast, intuitive, time-stamped data entry



Dynamic patient lists with priority filtering



Spot-check vitals



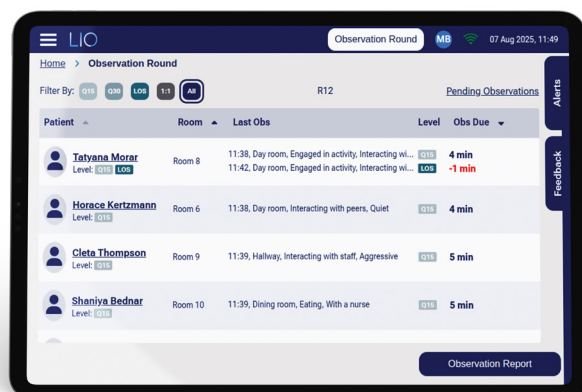
1:1 observation mode



Notifications for upcoming and overdue observations

Staff can complete their Q15 notes digitally, with entries structured for consistency and automatically uploaded to the hospital's EHR system. If clinically indicated, staff can also take pulse and breathing rate measurements, while performing a 15-second visual safety check, using LIO's FDA-cleared vital signs functionality. This is particularly useful at night because it gives patients the opportunity to sleep without being disturbed by in-person observations.

To help staff stay on top of rounding, LIO provides a real-time view of upcoming and overdue observations, with dynamic patient lists, smart filtering and notifications to prioritize those who need attention most. Shift review tools support oversight and smooth handovers, and a dedicated 1:1 observation mode serves staff when closer supervision is required.





## Ambient monitoring



Patient activity insights



Safety notifications



Vital sign trends



Sleep monitoring



Adaptive monitoring modes

LIO provides staff with round-the-clock visibility into each patient's activity, vital signs and sleep — helping them build a fuller picture of how someone is doing, even between safety checks. Intuitive graphs and timelines make it easy to spot patterns or changes over time, while notifications alert staff when a patient's behavior may signal increased risk — such as getting out of bed unexpectedly or spending extended time in the bathroom. These insights help teams act early and intervene with confidence.

Monitoring can be tailored to meet clinical needs, giving teams flexibility to adjust based on patient acuity or ward protocols. All of this happens without disturbing the patient or requiring them to wear a device — enabling safer, more personalized care in a calm and dignified environment.



LIO's vital signs and sleep monitoring tools are powered by regulated medical device software



## Compliance reporting



Observation compliance dashboard



Platform usage reporting



Daily summaries



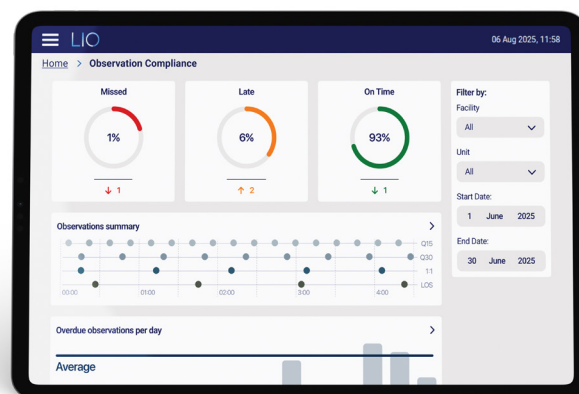
Secure cloud-based access



Audit trails with user-level traceability

Managers and leaders have secure, cloud-based access to observation and usage data — supporting compliance, accountability and continuous improvement across services. Filtering by site, unit, staff member, room or time range makes it easy to monitor trends, audit performance and explore specific areas in detail.

Daily summaries provide a clear snapshot of activity, helping leaders stay connected to what's happening on the ground. Missed or incomplete observations can be identified quickly, enabling timely escalation and targeted support. Data can also be used to highlight opportunities for service learning and ensure high standards are upheld across every shift.



“I led a recent regulatory inspection and I was informed how LIO had enabled staff to save at least nine lives.”

Chair, inpatient mental health provider

## A fully managed service

### What to expect during implementation and beyond

#### ✓ Change management support

We help senior leaders with communications planning, steering group setup and running effective project meetings. We also supply a detailed installation guide which includes information for IT teams.

#### ✓ Comprehensive and flexible training

Staff can access on-demand courses and quizzes through our online learning platform, and we offer virtual simulator sessions to build practical skills during implementation.

#### ✓ 24/7 assistance

Our support team is available every day of the year by phone, email or feedback forms to address any questions or concerns.

“The implementation went really smoothly. LIO provided all the resources and teams, had a clear timeline and strategy, met with us regularly, and offered onsite support for training and questions. It was a great experience overall.”

Deputy Executive Director, inpatient mental health provider

A typical installation takes  
just 1-2 weeks

# A trusted partner in mental health innovation

## Why providers choose us

Since 2012, we've worked alongside clinicians, patients and families to co-create technology that fosters safer, more supportive and empowering mental health care. What began as pioneering research at the University of Oxford has evolved into a transformative platform enhancing inpatient care across the US and UK.

100M+

hours of patient care

100+

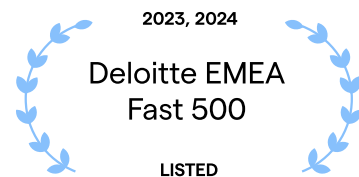
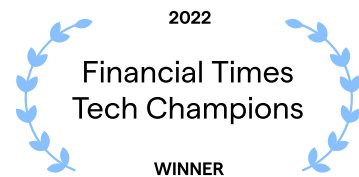
live sites

5000

installations

20+

peer-reviewed publications

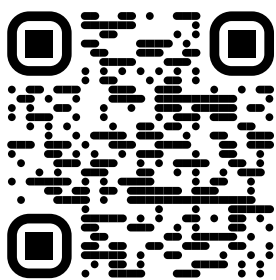




“LIO represents a significant step forward in mental health care and we are excited to be at the forefront in using this technology.”

Psychiatrist,  
inpatient mental health provider

# Let's talk



## Mental health care has evolved. Has your facility?

Across the US, mental health hospitals are using LIO to enhance care. Together, we're shaping a new normal — and there's never been a better time to join us.



