



# Empowering Patients to Receive Early Diagnosis

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# Dream Catcher



# Can we improve the **early recognition and clinical diagnosis** of rare sleep disorders?



Sleep disorders are a group of conditions that disturb normal sleep-wake pattern and one of the most common clinical problems encountered. They affect overall health, safety, and quality of life for people.

- **Narcolepsy** is characterized by excessive daytime sleepiness; other symptoms may include cataplexy, disrupted night-time sleep, hypnagogic and/or hypnopompic hallucinations and sleep paralysis
- **Idiopathic hypersomnia** is characterized by hypersomnolence and is often accompanied by sleep of long duration and debilitating sleep inertia.
- **Estimates of prevalence of narcolepsy** range between 25 and 60 per 100,000 people, whereas epidemiological data on idiopathic hypersomnia is scarce with most reports noting a lower prevalence than narcolepsy.

People with narcolepsy and idiopathic hypersomnia often experience a **delay of several years between symptom onset and diagnosis**. **Diagnostic** delays vary by region and often exceed 10 years. Stigmatization, misattribution, and other hurdles cause patients to delay seeking medical help for their symptoms.

It is challenging to **recognize and accurately diagnose** rare sleep disorders. **Delayed or incorrect diagnosis** is common, which may be related to poor disease awareness, lack of symptom recognition, lack of proper disease biomarkers, imprecise diagnostic tools and poor access to diagnostic tools.

**Sleep Innovation Challenge calls for solutions that can transform the rare sleep disorder patient journey from early symptom onset to timely clinical diagnosis.**

**OBJECTIVE:**

## Empowering Patients to Receive Early Diagnosis

Our solution empowers individuals with sleep disorders to access early diagnosis and receive appropriate care and awareness with just a few clicks. This facilitates effective condition management by connecting them with qualified professionals for further diagnosis and necessary treatment.

### Our comprehensive approach encompasses:



Digital tools for increasing disease awareness and education



Early diagnosis aids utilizing social listening, wearables, and mobile data



Innovative cognitive and sleep questionnaires to assist individuals with symptoms in seeking appropriate care

# Maantic develops the **Dream Catcher** framework using the Appian Platform

Maantic's **Dream Catcher** solution, built on the **Appian Platform**, helps patients with sleep disorders in receiving an early diagnosis by getting appropriate care / awareness by just few clicks away thus aiding them to manage the condition effectively by referring to qualified professionals for further diagnosis & treatment needed.

- Scalable to accommodate various Health Issues
- Role based access control
- Integration with Wearables and Mobile
- RPA Capability
- Powerful analytics & reports
- Integration with Social Media
- Email, SMS, App Notification Correspondence
- Generative AI Capability



## Key Benefits



Creating awareness among the public



Helping the prospective patients to introspect and identify the disorder



Give them a tele-channel to connect with qualified professionals and individuals with similar disorder



To prevent patients from taking inappropriate medications/Practices and to normalize and reduce the stigma.



Helping to reach more audiences for awareness and diagnosis using internationally accepted standards and reports

**Thank You**

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