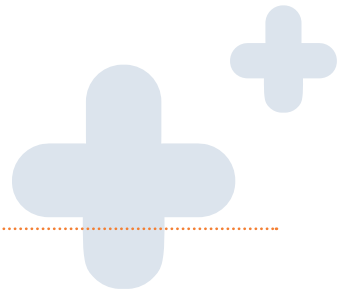


Institutional Experience

with WatchPAT® and SleePATh® in improving clinical, operational, and economic efficiencies



PERFORMANCE STUDY



Overview

A performance study was conducted in a high-volume sleep center at a large healthcare facility serving the greater Dallas, Texas, area. With hundreds of referrals coming in each month, the clinic sought solutions to streamline its workflow and reduce a 2-month patient backlog.

The clinic identified 2 areas that were impacting process efficiency and patient throughput: call-based screening and the time-consuming limitations associated with its home sleep apnea tests (HSATs)—including data downloading, device disinfection, manual scoring, and a finite number of patients who could be tested at any given time.

The clinic switched to WatchPAT® ONE, a fully disposable HSAT with SleepPATH Patient App. SleepPATH Patient App provides a digital screening tool, digital patient questionnaires, and enables a sleep report that includes patient self-reported data and sleep study objective data.

RESULTS*:



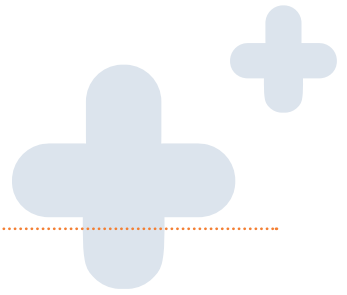
Time-Savings Per Patient

- No screening calls for data collection: 30- to 45-minute savings per patient
- No data downloading and manual scoring: 30- to 45-minute savings per patient
- No device returns/cleaning: 15-minute savings per patient

*Based on the first 241 patients.

“It’s saving time... so much time.”

- Clinic Supervisor



Background

INSTITUTION

A high-volume sleep center at a large healthcare facility serving the greater Dallas, Texas, area.

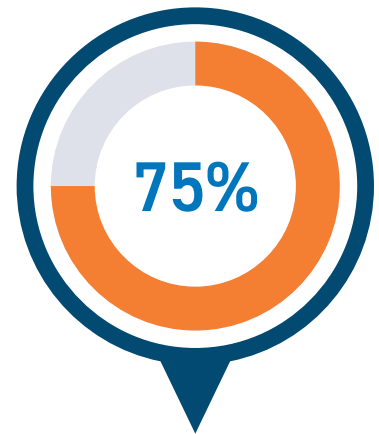
VITAL STATISTICS



Referrals per month are received for various sleep disorders



Of referrals are from primary care providers (PCPs), and 50% are from sleep specialists



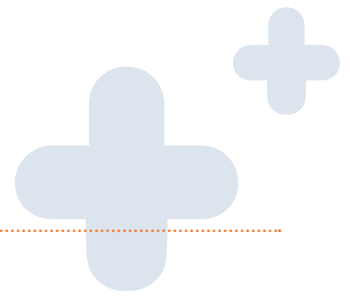
Of patients are assigned an HSAT, while 25% undergo in-lab testing

HSAT PROCESS

For patients referred by a PCP on suspicion of OSA, the clinic's protocol is to screen for risk and assign an HSAT to qualified patients before they see a clinic sleep specialist.

With the clinic's previous HSAT, the clinic could conduct a maximum of 24 home sleep studies per week, based on the 6 devices onboard and availability of their sleep technicians.

The Challenges



With its very high volume of referrals, the clinic was dealing with a 2-month patient backlog. The clinic identified 2 areas that were impacting process efficiency and patient throughput: call-based screening and the limitations associated with its HSATs.

CHALLENGES WITH CALL-BASED SCREENING AND PRE- AND POST-STUDY QUESTIONNAIRES

50% Only 50% of the patients answered the phone

30-45 Of the patients who answered, screening calls took from 30 to 45 minutes
MINUTES

CHALLENGES WITH PREVIOUS HSATS



Operational

- 15-minute cleaning process
- 30- to 45-minute data downloading and manual scoring time
- Variable wait times for device returns



Clinical

- Raw data only
- Manual scoring, which is subject to inter-reader variability
- No sleep staging



Economical

- Suboptimal throughput speed
- Finite supply of devices, limiting the number of patients who could be tested at any given time
- Lower reimbursement vs WatchPAT® ONE HSAT

The transformation with WatchPAT[®] ONE and SleePATH[®]



WatchPAT[®] ONE is a fully disposable, simple-to-use HSAT that transmits the study to the cloud for immediate* review of the study results. **SleePATH[®]** is a digital screening and questionnaire solution, personalized to the patient and customizable by the clinic enabling:

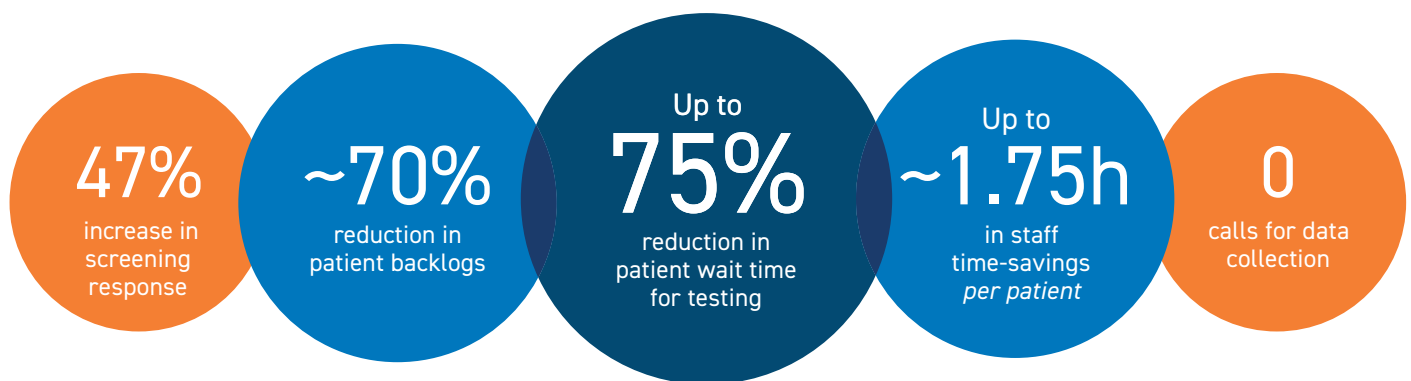
1. Fast screening with digital questionnaires and communication tools;
2. Enhanced diagnosis with a single report, including patient self-reported data and sleep study objective data;
3. End-to-end clinician-patient experience and improved communication, with reminders and notifications.



Spearheaded by the clinic supervisor, the clinic switched from its previous HSAT to WatchPAT[®] ONE[†] and incorporated SleePATH[®] into its practice.

THE RESULTS[‡]

Dramatic improvements in process efficiency and patient throughput



“ Everything is moving a lot more quickly, and it has helped tremendously with the backlog. ”

- Clinic Supervisor

*Within minutes of study completion.

[†]With the exception of patients without smart phones or with limited Wi-Fi access.

[‡]Based on the first 241 patients.

Up to 45 minutes savings per patient in screening time with SleePATH®

Previously, the clinic was unable to reach half their patients over the phone to complete preauthorization screening. And when they did, the interviews took approximately 30 to 45 minutes. With the SleePATH® digital screening tool, response rates climbed to nearly 3 in 4 patients—with no calling.

MAJOR IMPROVEMENTS IN THE SCREENING PROCESS			
3-month results (N=241)			
	Before SleePATH® (calls and paperwork)	With SleePATH® (digital screening)	Results
Screening Response Rate	50%	73%	47% increase
Staff Screening Time Per Patient	Avg 30-45 min (up to 3 calls)	0 calls	30-45 min savings per patient

SAVINGS OF UP TO 1 HOUR PER PATIENT BY ELIMINATING DEVICE PROCESSING



No device returns/cleaning:
15-minute savings per patient

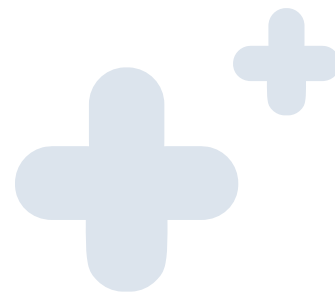


No data downloading and manual scoring:
30- to 45-minute savings per patient

“ I didn’t expect the response rate to be what it was. ”

- Clinic Supervisor

How WatchPAT® ONE and SleePATh® made a difference



WATCHPAT® ONE FEATURES THAT HELPED THE CLINIC ACHIEVE ITS GOALS:

- Full study results instantly delivered to the cloud, eliminating data downloading
- Automated scoring of respiratory indices with sleep stages, eliminating the need for manual scoring (raw data is available for healthcare providers for reviewing and editing)
- Fully disposable, eliminating the need for device returns and disinfection
- No limits to the number of patients that can be tested at any given time



“ Just sheer volume as far as what we’re able to do with the WatchPAT® has had a significant impact. ”

- Clinic Supervisor

SleePATH[®] features that helped the clinic achieve its goals:



SCREENING TOOL

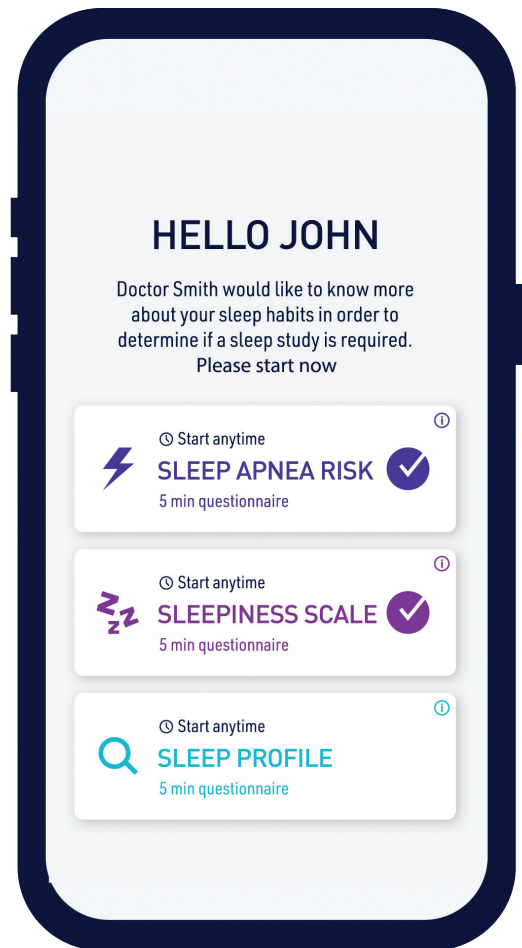
A digital screening tool that includes STOP-Bang, the Epworth Sleepiness Scale, and standard questionnaires, eliminating countless hours on the phone—and increasing the response rate—for preauthorization screening

CUSTOMIZABLE ASSESSMENT

Customizable digital assessment and pre- and post-test questionnaires, so the staff has been able to reduce paperwork and time-consuming manual data entry

REPORTS

SleePATH enables single study reports that include both objective and subjective data, providing their sleep specialists with all the information they need in one place



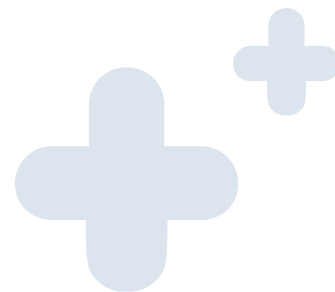
“ It has made life easier. There was [initially] a little reluctance in certain places, and then they’re like, ‘Oh my gosh, this is so much better. ”

- Clinic Supervisor

Before WatchPAT® and SleePATh®



AFTER bringing WatchPAT[®] and SleePATh[®] onboard



WITH WATCHPAT[®] AND SLEEPATH[®], THE CLINIC OFFERS PATIENTS A STREAMLINED PATHWAY TO CARE



STEP 01
Arrival of test order



STEP 02
Link to screening tool texted to patient



STEP 03
Preauthorization



STEP 04
Test scheduled



STEP 05
Device training, if needed



STEP 06
Test and in-app questionnaires completed



STEP 07
Automated report for sleep specialist



STEP 08
Results interpreted by HC provider, next steps determined



This case study represents true collaboration between healthcare organizations and tech innovation, placing the patient and their needs in the center.

It emphasizes that embedding digital-based solutions in traditional healthcare can provide not only significant value to patients and increased accessibility, but also significantly reduce the burden on the healthcare system and enable streamlined processes.



REF MM2199083

Disclaimer: WatchPAT® ONE is a prescription-only diagnostic aid for use with patients suspected to have sleep-related breathing disorders. Please see the detailed intended use.

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