

An **ensosleep** Case Study

All-in-One Scoring, Editing, and Reporting Solution Solves Sleep Lab Workflow Challenges



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About the Sleep Associates of Connecticut

In southern Connecticut, three state-of-the-art sleep centers managed by the Sleep Associates of Connecticut (SACT) team offer comprehensive care for people suffering from various sleep disorders. SACT's experienced, board-certified staff has helped thousands of people in the New Haven area improve their health through better sleep. The staff specializes in diagnosing and treating the full spectrum of sleep disorders, including obstructive sleep apnea (OSA), insomnia, and narcolepsy.

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Finding ways to improve the sleep quality of the thousands of patients in their community is the single driving focus of the organization. To do this, the SACT team emphasizes quick, accurate results for both patients and physicians. This is evident for the lead sleep scoring technologist, **Steven Budzinski, RPSGT**. He leverages EnsoSleep's intuitive and web-based Sleep Study Management platform to quickly and efficiently get studies routed to physicians on the team.

It's also important for **Dr. Amy Korwin, MD**, who cited a number of challenges and sticky points during the sleep study process for the physicians on the team. These challenges include accessing sleep studies remotely, managing staffing shortages and device recalls, and keeping up with all the new device types. To **address these challenges and improve the efficiency of their sleep lab workflow**, the SACT team added a software tool to streamline and support their team throughout the sleep study process: **EnsoSleep**.

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Inefficient Workflow Slows Down Patient Care

Across all areas in healthcare, **time is a precious resource**. This is also the case for Budzinski, who's been the primary beneficiary of EnsoSleep automated (AI) scoring support. Prior to EnsoSleep, Budzinski **spent an hour or more on each PSG**, scoring from scratch with a high standard for quality. And while reducing scoring times was important, challenges went beyond a growing scoring backlog and overtime work for Budzinski. Inefficiencies in the process between Budzinski and physicians resulted in **too much time downloading, uploading, editing, communicating, and reworking reports**, all while connecting to unique VPNs to maintain HIPAA compliance.

These workflow challenges not only negatively impacted Budzinski on the scoring side, but also the SACT physicians. **Report generation was time consuming**, especially if edits, notes or changes to the study results were required. In addition, the increasingly complex patient population caused stress on the scoring workflow, as changes to a study would require multiple new downloads and uploads. Adding EnsoSleep provided Dr. Korwin and the SACT team with **more time for patient care**, instead of paperwork, log-ins, and delays in receiving study results.

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EnsoSleep Study Management Addresses Complicated Workflow

EnsoSleep Study Management streamlined the SACT sleep scoring, editing, reviewing, and reporting process. Previously, Budzinski would remotely connect to each different computer, transfer studies to his scoring computer, score them, and then re-upload final studies to the original computers for physicians to review.

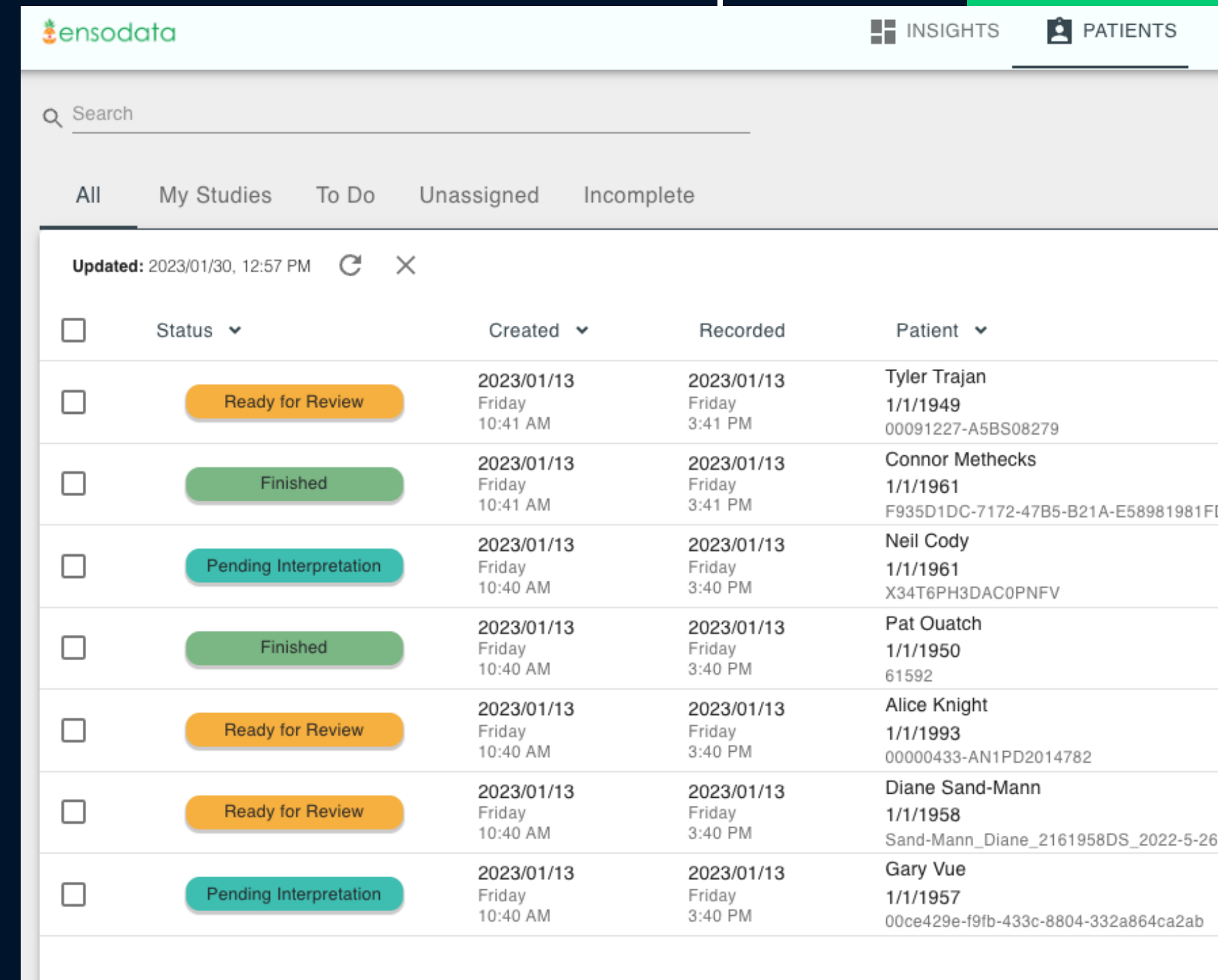
“It was this long, complicated process. I’d always have to confirm with the doctors that their computers were online so I could remotely transfer the studies that I scored back to their computers. The internal coordination was inconsistent,” said Budzinski. “**But once we added EnsoSleep, the process ran more smoothly and all of our workflow challenges went away.**”



An Immediate Impact

"Once we added EnsoSleep, the process ran more smoothly and all of our workflow challenges went away. Being able to look at the studies in the study management platform, and not having to manually transfer studies has been one of the most impactful parts of adding EnsoSleep."

Steven Budzinski, RPSGT
Lead Scoring Technologist
Sleep Associates of Connecticut (SACT)



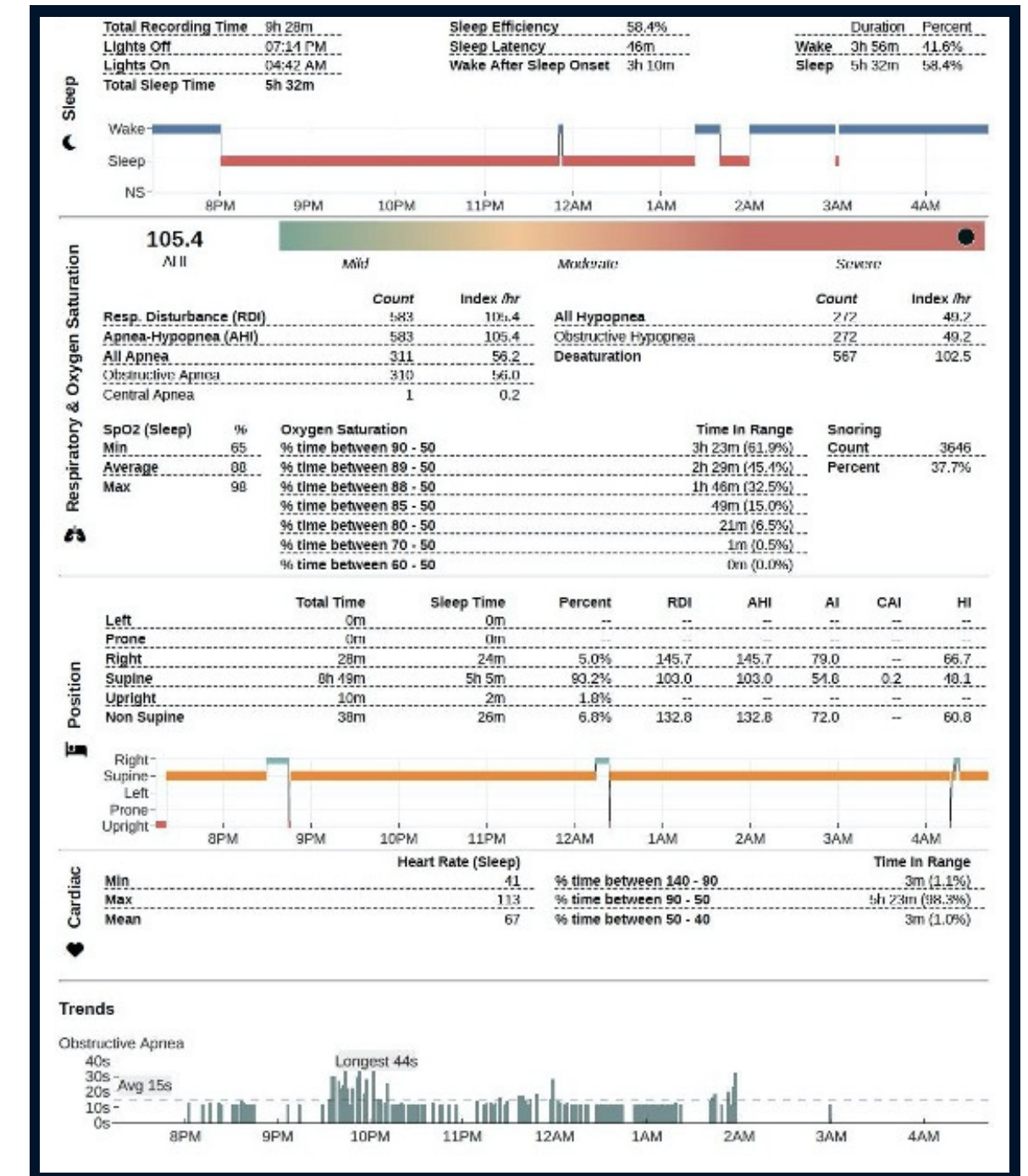
The screenshot displays the EnsoData web application interface. At the top, there is a search bar and navigation tabs for 'All', 'My Studies', 'To Do', 'Unassigned', and 'Incomplete'. Below the navigation, a table lists study records. Each row includes a checkbox, a status label (e.g., 'Ready for Review', 'Finished', 'Pending Interpretation'), a 'Created' date and time, a 'Recorded' date and time, and a 'Patient' name and ID. The table is updated as of 2023/01/30, 12:57 PM.

<input type="checkbox"/>	Status	Created	Recorded	Patient
<input type="checkbox"/>	Ready for Review	2023/01/13 Friday 10:41 AM	2023/01/13 Friday 3:41 PM	Tyler Trajan 1/1/1949 00091227-A5BS08279
<input type="checkbox"/>	Finished	2023/01/13 Friday 10:41 AM	2023/01/13 Friday 3:41 PM	Connor Methecks 1/1/1961 F935D1DC-7172-47B5-B21A-E58981981F
<input type="checkbox"/>	Pending Interpretation	2023/01/13 Friday 10:40 AM	2023/01/13 Friday 3:40 PM	Neil Cody 1/1/1961 X34T6PH3DAC0PNFV
<input type="checkbox"/>	Finished	2023/01/13 Friday 10:40 AM	2023/01/13 Friday 3:40 PM	Pat Ouatch 1/1/1950 61592
<input type="checkbox"/>	Ready for Review	2023/01/13 Friday 10:40 AM	2023/01/13 Friday 3:40 PM	Alice Knight 1/1/1993 00000433-AN1PD2014782
<input type="checkbox"/>	Ready for Review	2023/01/13 Friday 10:40 AM	2023/01/13 Friday 3:40 PM	Diane Sand-Mann 1/1/1958 Sand-Mann_Diane_2161958DS_2022-5-26
<input type="checkbox"/>	Pending Interpretation	2023/01/13 Friday 10:40 AM	2023/01/13 Friday 3:40 PM	Gary Vue 1/1/1957 00ce429e-f9fb-433c-8804-332a864ca2ab

EnsoData Customer Success Team Supports SACT

From the onset of the implementation, EnsoData's team, led by Customer Success Engineer, Montana Greider, smoothed out the sleep scoring workflow for SACT. Budzinski **praised the implementation process**, both for the holistic overview of the solution and the swift, informative responses from the EnsoData customer success team during the onboarding period.

“The first time I met with EnsoData, Montana gave us the rundown on how EnsoSleep works, how to set up a profile, how to use all the features, how the process shifts from manual scoring to using EnsoSleep, and how to customize the reports. She covered the whole process of getting the studies ready for the physician team,” Budzinski said.



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Improving Sleep Health Through Dedicated Care and Technology



Pulmonologist
Amy Korwin, MD

Simplified Physician Review

For SACT's physicians, the study management platform also simplified the sleep study review process. With EnsoSleep Study Management, physicians access patient records, generate reports, and make edits that are reflected in reports dynamically, rather than needing to send studies back to the sleep techs for changes.

Dr. Korwin highlighted how easy it is to review any specific portions that Budzinski might have called out in each sleep study from the dashboard: **Access to one cloud-based platform for all studies and reports improved the patient testing and diagnostic workflow, and resulted in the sleep lab running more smoothly.** For more information on how Dr. Korwin specifically leverages the EnsoSleep study management platform, [read the EnsoData sleep story](#), (left).

Accurate, Fast Sleep Scoring with Artificial Intelligence and Machine Learning

Beyond accelerating data transfers and diagnostic report generation, another ROI of the EnsoSleep scoring solution is the ability to score studies with **consistency and accuracy**. Consistently scored studies allow technologists, like Budzinski, to cut down on the time spent reviewing and scoring a PSG. On average, customers see over 62% time savings on PSGs and over 68% on HSATs. For SACT, **that time savings is even greater**. Per Budzinski, the time from starting to score a PSG through report generation is around 15 minutes on average.

“The EnsoSleep software **directly impacts our scoring process**. With the AI prescoring our PSG and HSAT studies, the time techs [including Budzinski] spend on study analysis is much lower, opening the door for patient education opportunities,” said Dr. Korwin. Budzinski backed up Dr. Korwin’s commentary on the scoring accuracy with his own insight. “The accuracy of EnsoSleep AI scoring is pretty incredible, actually. I don’t have to make many changes to studies, and we are able to get studies reviewed more quickly and efficiently for the patients,” said Budzinski.



Speed and Accuracy with EnsoSleep AI Scoring

Budzinski spent an average of 60 minutes manually scoring PSGs, with complex studies taking **more than 75 minutes**. Other “auto scoring” technologies on the market simply weren't able to provide time savings, instead requiring more work to fix errors in the scoring.

“In old auto scoring solutions, the devices might highlight all this noise. You’d end up wanting to erase it all and score it yourself. **With EnsoSleep, I can run through a PSG study a few times in 15 to 20 minutes. It’s very smooth. It’s very quick.** And because it’s cloud-based, not having to download anything or find patient names, makes it even easier,” said Budzinski. **Speed and accuracy are a powerful combination.** That’s what EnsoSleep is delivering to the SACT team.

SACT Scoring Turnaround Times

Before EnsoSleep: **60 to 75 Minutes per PSG**



Typical PSG Studies = 1 hour



Complex PSG Studies More than 75 minutes

After EnsoSleep:

With AI, studies are scored in 15 to 20 minutes, saving 75% of the time on standard PSGs and even more on more complex studies.



PSG Studies Now: 15-20 minutes

Schedule an EnsoSleep Demo Today!

EnsoSleep simplifies and accelerates the sleep testing, diagnosis, and treatment workflow, providing sleep teams with more opportunities to expand patient care, improve outcomes, reach more patients, and impact sleep center growth.

Trusted in over 500 sleep clinics to help assess nearly one million patients, it's time to consider adding **EnsoSleep AI Scoring and Study Management** to your sleep clinic. Schedule a personal demo to see how EnsoSleep can help your sleep clinic overcome workflow challenges.



Request a Demo!



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