

Intelligent, Interactive Monitoring



Night Shift is intended to treat mild-to-moderate sleep apnea and to reduce or alleviate snoring

- Uses vibro-tactile feedback to discourage back-sleeping
- Applies feedback only after the patient falls asleep
- Adapts frequency and intensity of feedback to the individual and occurs immediately after a position change
- Provides safe use of a collared device with a quick-release magnetic buckle



Records:

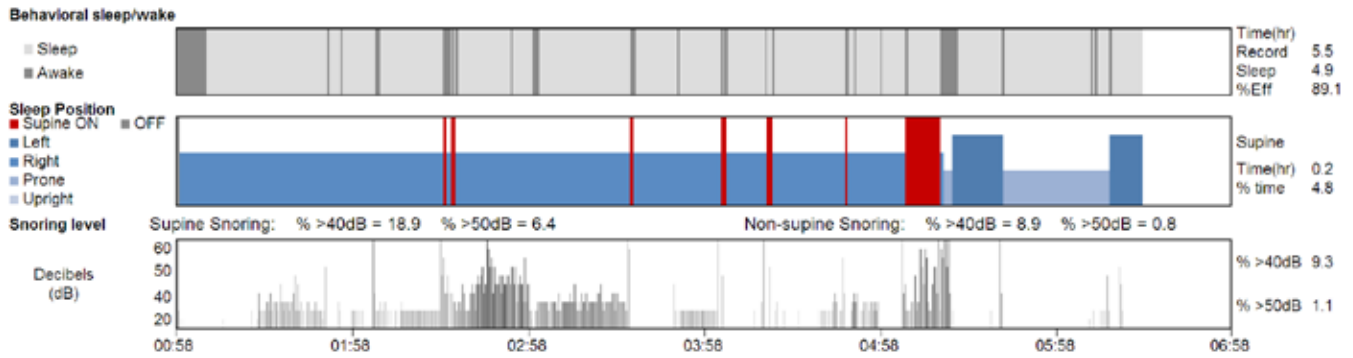
- ✓ Frequency and duration of use (i.e., dates and hours of use)
- ✓ Histogram of sleep position and behavioral sleep quality
- ✓ Frequency and duration of positional feedback
- ✓ Quantified snoring levels



Sample Data From Three Night Shift Report Formats

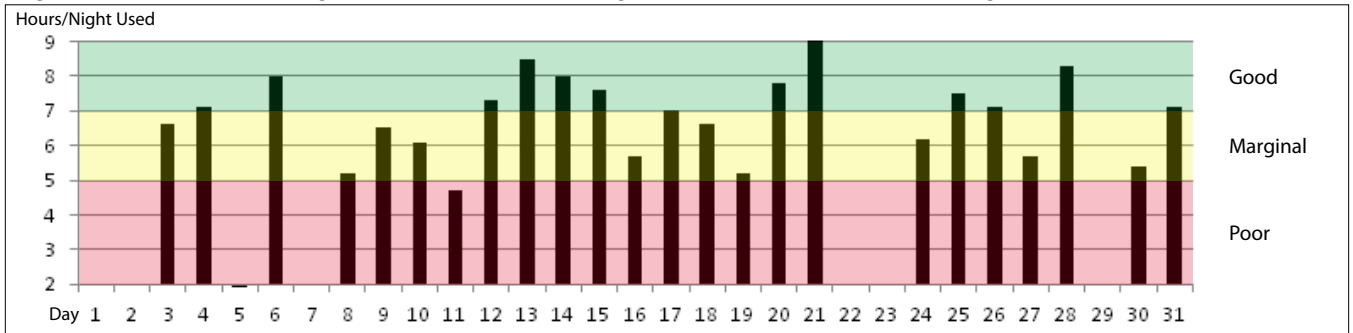
Night Shift Report - 3-Day Detailed Customer: Sleep Lab Inc. User: Julian Jefferson

Monday, Sept 3, 2012 No. Supine Attempts: 7 Feedbacks/Attempt: Typical: 14 Minimum: 1 Maximum: 54

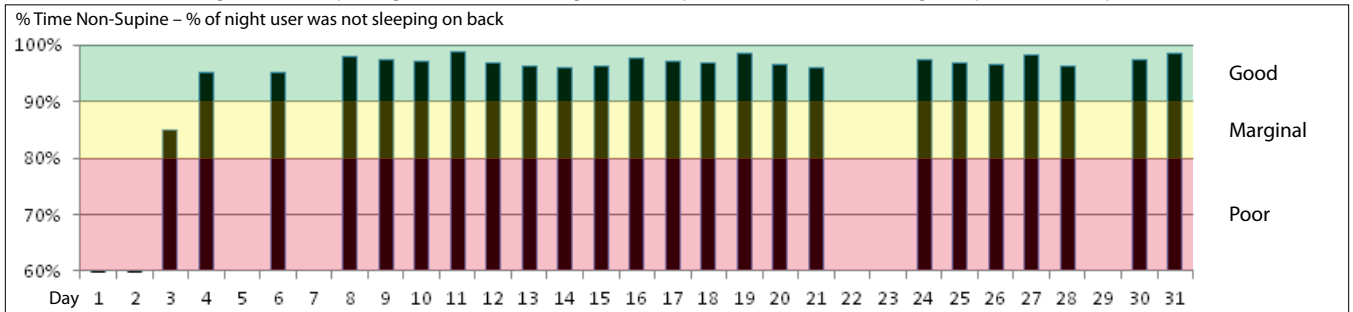


Night Shift Report - Detailed by Day for January Customer: Sleep Lab Inc. User: Julian Jefferson

Nights Used: 24 % Nights Used: 77% % Nights Used > 5 hours: 96% Avg. Hours When Used: 6.8



When used Avg. Back Attempts/Night: 4 No. Nights Non-Supine > 90%: 23 Avg. Sleep Time Non-Supine: 96%



Night Shift Report - Detailed by Month Customer: Sleep Lab Inc. User: Julian Jefferson

Year	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Days used	24	29	28	30	30	31	26	5				
Hours per day used	5.5	6.5	6.8	6.7	6.9	7.1	6.3	6.5				
Sleep efficiency (%)	82	88	92	91	87	89	91	90				
Sleep time non-supine (%)	96	97	99	100	98	99	98	100				
Number back attempts/night	4	5	4	4	3	4	4	3				
Time snoring above 40 dB (%)	26	23	21	24	25	24	21	20				
Time snoring above 50 dB (%)	1	1	1	1	2	1	0	0				