

# nVISION®

## *SpO<sub>2</sub> Data Management Software*



### **Comprehensive SpO<sub>2</sub> Data Reporting**

Nonin Medical's nVISION SpO<sub>2</sub> data management software for sleep screening and 6MWT reporting is a powerful, easy-to-use oximetry data analysis tool designed to increase productivity and decrease administrative costs. The nVISION software package is compatible with all Nonin wrist-worn, handheld and tabletop pulse oximeter models that have memory.

# Comprehensive SpO<sub>2</sub> Data Reporting



Nonin's innovation in pulse oximetry has led to the development of an easy oximetry reporting solution – nVISION®. Designed to provide effortless viewing, professional analysis, report generation and reliable data storage – the powerful nVISION software package is a cost-effective solution for sleep screening and 6MWT applications.

The simple functionality of nVISION makes it useful for nearly any screening situation where an accurate reading of blood oxygen saturation and pulse rate is needed.

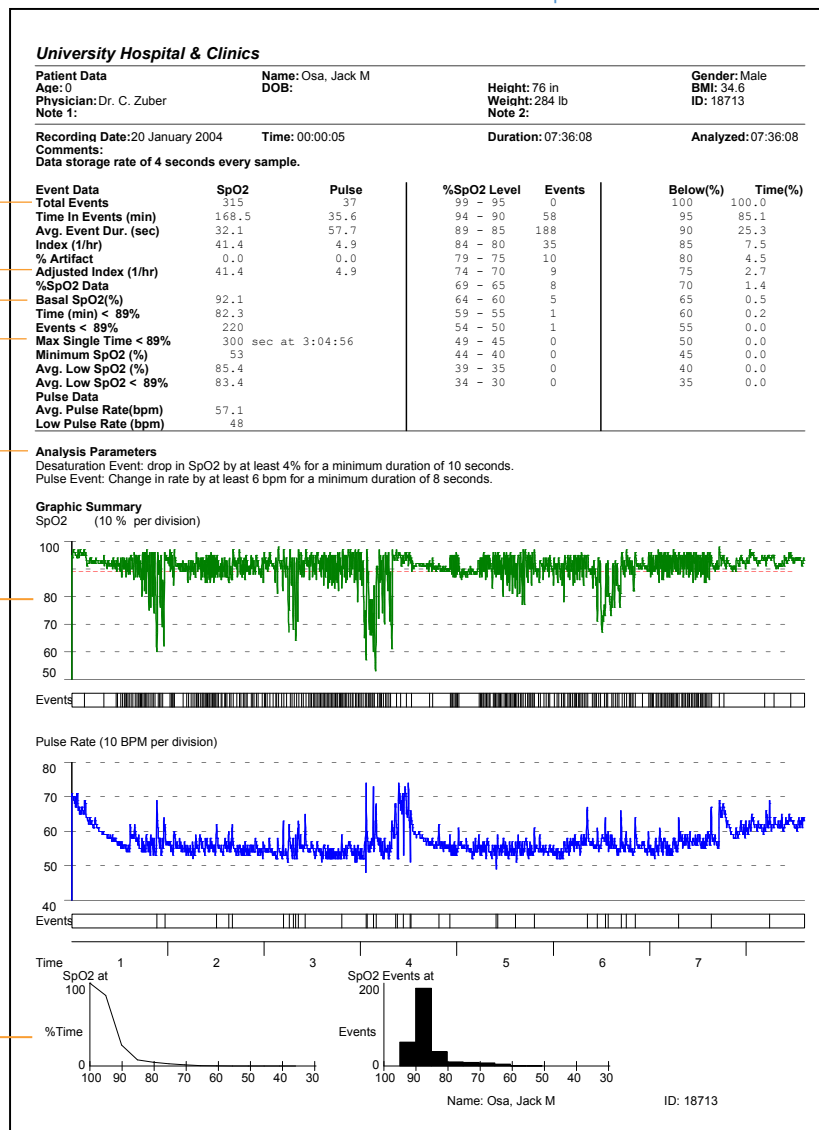
## Sleep Lab



**Nonin Knows Sleep.** For more than a decade, Nonin has been the preferred technology in sleep lab systems worldwide. Designed to streamline the overnight sleep study process, our wide range of oximetry devices and software analysis tools are equally effective in lab or home environments. And with our proven superior accuracy and ease-of-use, you can rest easy knowing that your collected data results are correct – the first time.

## Oximetry Report

Provides a concise one-page summary for fast interpretation of numeric data.



### Total Events

Total desaturation events defined by user

### Adjusted Index

Number of events per hour

### Basal SpO<sub>2</sub>

Average SpO<sub>2</sub> not associated with events

### Max Single Time < 89%

Longest continuous time below user-defined threshold

### Analysis Parameters

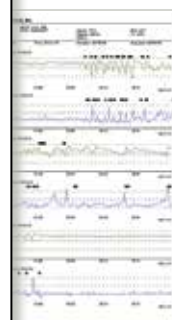
User defined event criteria

### Graphic Summary

Graphical representations for quick assessment

## Featured Standard Reports

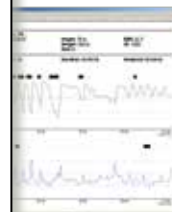
### Full Study Report



### Full Study Report

Gives you the ability to print a complete graphical representation of the entire recording.

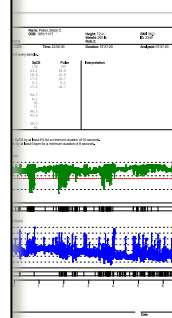
### Strip Chart Report



### Strip Chart Report

Allows a quick review of the data and allows you to modify the analysis parameters/perform edit functions.

### Summary Report



### Summary Report

Similar to the Oximetry Report, with space provided for electronic study annotations.



## 6MWT Report

Automatically  
populates SpO<sub>2</sub>  
and pulse data

User selectable 30  
sec./1 min. reporting

Automatic Distance  
Calculator (ft./m)

Raw Data Log

<b>University Hospital &amp; Clinics</b>									
<b>Patient Data</b>		Name: Thompson, John W		DOB: 1951/11/21		Height: 72 in		Gender: Male	
Age: 56		Physician: Smith		Weight: 275 lb		BMI: 37.4		ID: 123456	
Note 1:		Note 2:		Note 3:		Note 4:		Note 5:	
Recording Date: 29 September 2008		Time: 14:02:22		Duration: 00:08:12		Analyzed: 00:08:12			
Comments:									
Test Location: Indoors		Supplemental Oxygen: None							
Walking Aids Used: None									
Reason for Testing: Exertional Dyspnea									
<b>Electronic Data Entry Fields</b>									
<b>Testing</b>	<b>Time</b>	<b>O2 (l/min)</b>	<b>SpO2</b>	<b>PR</b>	<b>BP</b>	<b>Dyspnea</b>	<b>Rest (sec)</b>	<b>Comment</b>	
	Baseline	98	99	70	118 / 80	1		No pain	
	0:30	98	99	66		3			
	1:00	96	98	74		5			
	2:00	98	98	81		5			
	2:30	98	98	76					
	3:00	99	98	78		5	25	3:25-3:50	
	3:30	98	98	80					
	4:00	98	98	77					
	4:30	98	98	79					
	5:00	99	97	77		4	20	5:10-5:30	
	5:30	97	97	82					
	6:00	98	98	84		4			
<b>Recovery</b>									
	0:30	98	98	84					
	1:00	99	98	75	138 / 92	3		Slight pain R rib under R breast 3-4 "like a cramp"	
	1:30	98	98	76					
	2:00	97	97	82					
Distance per Lap: 100.00 feet		Number of Laps: 2.50		Total Distance Walked: 250.00 feet					
Number of Stops: 2		Total Time Stopped (seconds): 45							
Reason for Stops: Fatigue									
<b>Medications:</b>									
<b>Comments:</b>									
Will begin exercise and supplemental O2 based on walk test results. Reassess the program to maintain required distance and should not need O2.									
Will begin on all modalities, including bike and treadmill as tolerated. Will do 5 min on each & increase to 20 min as able.									
Physician Signature					Performed By				
Date					Patient Sticker				
Name: Thompson, John W					ID: 123456				



## Cardiopulmonary Rehab

### Six-Minute Walk Report (6MWT)

Say goodbye to the tedious task of manually logging a patient's SpO<sub>2</sub> at the 30 second/one minute intervals during the 6MWT.

nVISION's convenient new 6MWT report saves you time by automatically populating a formal report with the necessary SpO<sub>2</sub> data — allowing you to focus on observation and recording comments. Also included in the report is a complete record of all four second data samples taken during the study.



### Data Management Made Simple

- **Record:** nVISION is compatible with all Nonin brand wrist-worn, handheld and tabletop pulse oximeters with memory.
- **Transfer:** nVISION allows a seamless transfer of data from the pulse oximeter to your computer.
- **Analyze:** Analyzing patient information has never been this easy. nVISION's comprehensive tools allow you to take oximetry analysis as far as you need to go.
- **Report:** The reports are easy to customize and user-selectable scaling makes it convenient to zoom in on specific data segments.
- **Archive:** Upon completion of printing the reports, you can store all the data in the patient data folder, export to an ASCII file for further analysis, or save as a PDF to file in your Electronic Medical Records (EMR).

### Powerful Editing Capabilities

- **Detailed Data Assessment:** Automatically calculates and displays statistical summary results for selected areas of interest.
- **Adjustable Analysis Parameters:** This feature provides the flexibility to perform case-specific data analysis and is especially useful when additional sensitivity is desired during data review.
- **Separate Analysis:** Independently adjust the criteria for pulse and desaturation events.
- **Universal Units of Measure:** Recognizable standards expands this tool for worldwide clinical use.
- **User-Defined Field:** Add case-specific information for documentation.
- **Default Settings:** Convenient reset function for analysis parameters.



## Product Highlights

- **Powerful** – Comprehensive data analysis
- **User-Friendly** – Intuitive Windows®-based application with online help
- **Flexible Reporting** – Choose from several pre-set report categories
- **Convenient** – Customized views and instant data access
- **Improved Productivity** – Simple and fast editing



## A Cost-Effective Solution

### Customize Your Views

#### Exclude Data

- Mark the artifact or suspect data and focus on specific events critical for analysis.

#### Adjustable Display Parameters

- Easily adjust the X and Y scaling to customize your analysis. This feature allows you to see the entire study at once or view the expanded data minute-by-minute.

## Software Highlights

Based on the Windows® platform, this intuitive tool offers customized settings/parameters and quick access for efficient and immediate data interpretation.

#### Oximetry

- Automatically calculates the results for comprehensive analysis
- Easy graphical correlation between saturation and pulse events

#### "What If" Scenarios

- User-selectable analysis parameters: SpO<sub>2</sub>, Pulse, Respiratory Rate (9840 only)
- Immediate re-analysis and feedback
- Flexibility to perform case-specific data analysis
- Useful for data requiring additional sensitivity

#### Editing

- Events are marked and color-coded for easy reference
- Assess specific segments through statistical summary function
- Case-specific information can be added for documentation

#### Reporting Options

- Convenient pre-set report categories
- Six-Minute Walk Test (6MWT)
- Adjustable time scaling
- Print entire recording and/or specified segments for documentation

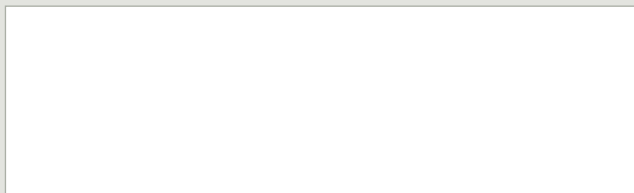
#### Archival

- Simple search function provides quick retrieval of patient records
- Store multiple patient records
- Save as PDF in EMR

## System Requirements

- Windows® XP SP3, Windows® Vista, Windows® 7 (32 bit and 64 bit), Windows® 8 (32 bit and 64 bit)
- 1 serial communications port
- 256MB memory
- 20MB free space on hard drive

Authorized Distributor:



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