

AirView™ report guide

This report guide outlines the types of reports that you can generate in ResMed's cloud-based patient management system, AirView. Each AirView report is formatted to help you quickly identify the data you need, so you can provide quality care for your patients and manage their adherence to therapy. A glossary of common terms found in the AirView reports is located at the end of the report guide.

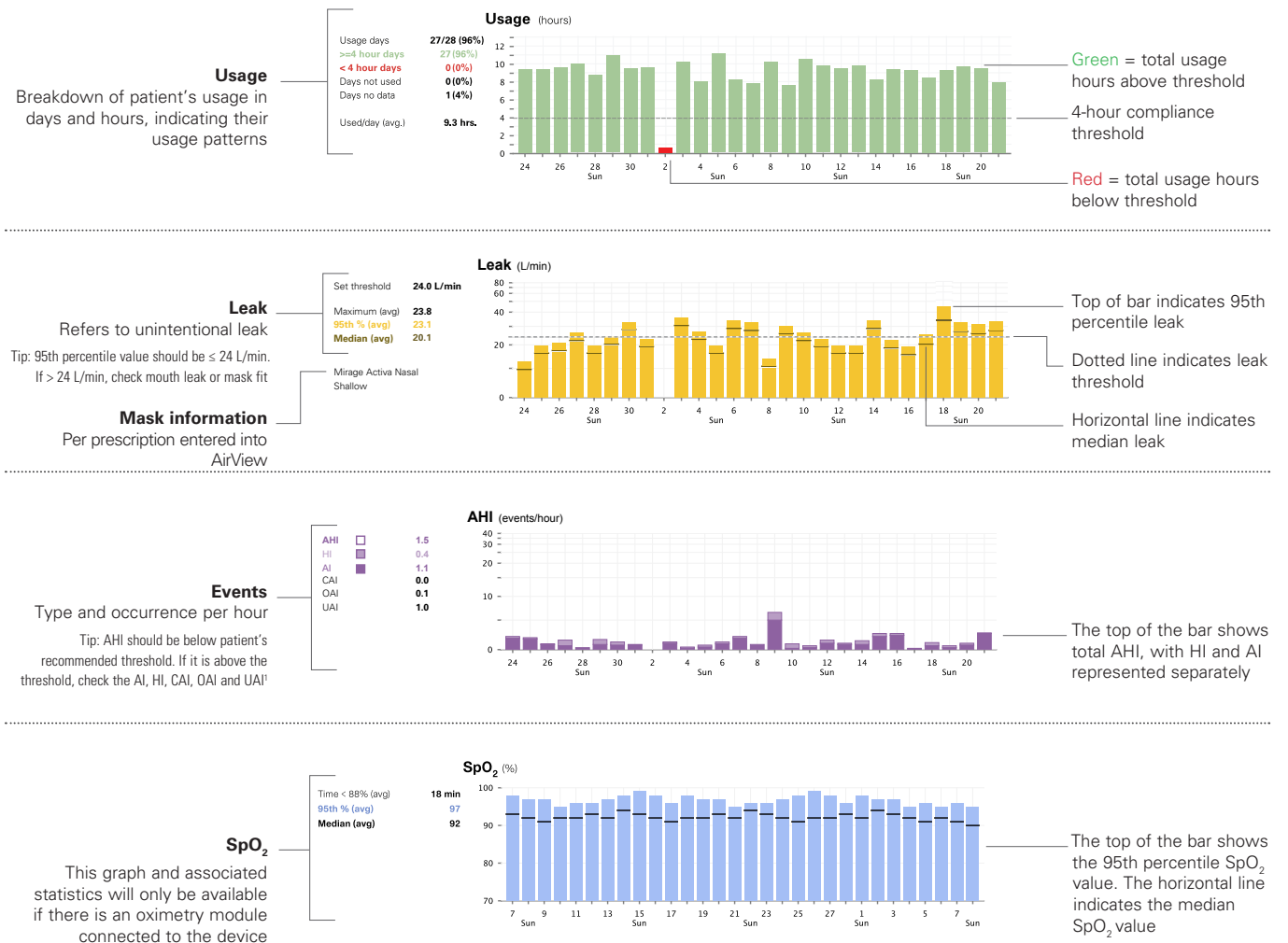
The page opposite shows examples of the most common types of graphs used in the various AirView reports and how you can interpret them. These examples show Usage, Leak, Events and SpO₂.

¹ For additional information, refer to the relevant device clinical guide.

Not all devices / modes are available in all countries

Patient details are illustrative and not based on any real persons.

Graph descriptions



Standard Diagnostic Report

This is an example of what a Standard Diagnostic Report looks like.



Your Friendly Sleep Lab
1234 Main St.
Suite 007
Newton, MA 02458
Phone: 617 555 1212
Fax: 617 555 2434
info@yoursleeplab.com

07/25/2015

Stevens, Guy

Patient ID: 00102499960

DOB: 07/21/1945

Age: 70 years

Gender: Male

Diagnostic Report

Recording details 07/25/2015

| | | | |
|------------------------------|---------------|-------------|----------------------|
| Device | Type: III | | |
| Recording | Start: 7:53pm | End: 6:00am | Duration - hr: 10:07 |
| Flow Evaluation | Start: 8:03pm | End: 5:58am | Duration - hr: 9:23 |
| Oxygen saturation evaluation | Start: 8:03pm | End: 6:00am | Duration - hr: 9:57 |

Statistics

| | | | |
|---------------------------------|-------------------|----------------------|-------------|
| | | | |
| Events index | AHI: 15.0 | AI: 4.3 | HI: 10.8 |
| Supine | Time - hr 5:52 | Percentage: 62.6 | |
| | AHI: 21.9 | AI: 6.7 | HI: 15.3 |
| Non-supine | Time - hr 3:28 | Percentage: 36.9 | |
| | AHI: 3.5 | AI: 0.2 | HI: 3.2 |
| Upright | Time - hr 0:02 | Percentage: 0.5 | |
| | AHI: 0.0 | AI: 0.0 | HI: 0.0 |
| Events totals | Apnea: 40 | Hypopnea: 101 | |
| Apnea Index | Obstructive: 1.9 | Central: 2.1 | Mixed: 0.2 |
| | Unclassified: 0.0 | | |
| Cheyne-Stokes respiration | Time - hr: 0:00 | Percentage: 0 | |
| Oxygen desaturation | ODI: 16.1 | Total: 160 | |
| Oxygen saturation % | Baseline: 96 | Avg: 95 | Lowest: 83 |
| Oxygen saturation - eval time % | <=90%sat: 2 | <=85%sat: 0 | <=80%sat: 0 |
| | <=88%sat: 1 | <=88%Time - hr: 0:05 | |
| Breaths | Total: 9653 | Avg/min: 17.1 | Snores: 744 |
| Pulse - bpm | Min: 43 | Avg: 59 | Max: 93 |

Analysis guidelines: AASM 2012, Automatic scoring

Apnea[10%; 10s; 80s; 1.0s; 20%; 60%; 8%]; Hypopnea[70%; 10s; 100s; 1.0s]; Snoring[6.0%; 0.3s, 3.5s; 0.5s]; Desaturation[3.0%]; CSR[0.5]. Airflow sensor and respiratory effort sensor: Pressure transducer. Hypopneas were scored only if there was valid oximetry data.

Standard Diagnostic Report

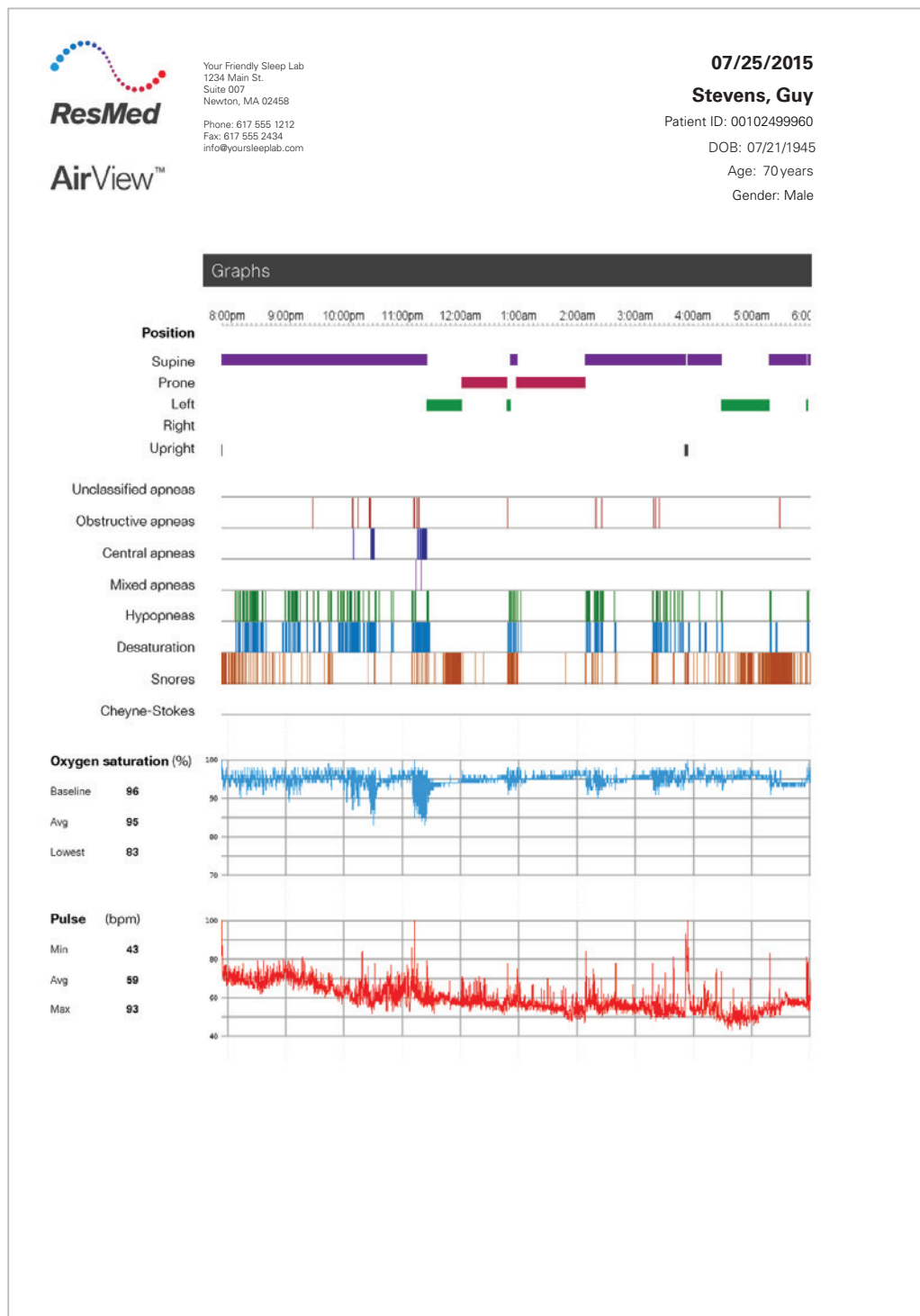
This table shows you what statistics are available on the Standard Diagnostic Report for supported home sleep testing devices.

| Statistics | ApneaLink™ Air |
|-------------------------------------|----------------|
| Duration | • |
| Events index | • |
| Events total | • |
| Apnea index | • |
| Desaturation index | • |
| Oxygen desaturation total | • |
| Oxygen saturation (%) | • |
| Oxygen saturation – evaluation time | • |
| Cheyne–Stokes respiration | • |
| Breaths | • |
| Pulse (bpm) | • |

Detailed Diagnostic Report

This is an example of what a Detailed Diagnostic Report looks like.

It includes all the information provided in the Standard Diagnostic Report, plus additional detailed graphs.



Detailed Diagnostic Report

This table shows you the graphs that are available on the Detailed Diagnostic Report.

It includes all the information provided in the Standard Diagnostic Report, with the addition of the graphs shown opposite.

| Graphs | ApneaLink Air |
|-----------------------|---------------|
| Body position | • |
| Event types | • |
| Oxygen saturation (%) | • |
| Pulse (bpm) | • |

Compliance Report

This is an example of what a Compliance Report looks like.



AirView™

Your Friendly HME
1234 Main St.
Suite 007
Newton, MA 02458
Phone: 617 555 1212
Fax: 617 555 2434
Email: info@yourhme.com

Elias, Cassandra
04/22/2015 - 05/19/2015

Patient ID: 00102499960
DOB: 07/21/1967
Age: 48 years
Gender: Female

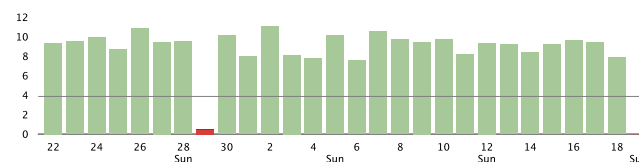
Compliance Report

| Usage | | 04/22/2015 - 05/19/2015 |
|-----------------------------------|--|---------------------------|
| Usage days | | 26/28 days (93%) |
| >= 4 hours | | 26 days (93%) |
| < 4 hours | | 0 days (0%) |
| Usage hours | | 240 hours 38 minutes |
| Average usage (total days) | | 8 hours 36 minutes |
| Average usage (days used) | | 9 hours 15 minutes |
| Median usage (days used) | | 9 hours 25 minutes |

| AirSense™ 10 AutoSet™ for Her | |
|-------------------------------|-------------|
| Serial number | 00102499960 |
| Mode | AutoSet |
| Minimum pressure | 4 cmH2O |
| Maximum pressure | 10 cmH2O |
| EPR | Fulltime |
| EPR level | 3 |

| Therapy | | | | | | |
|--|------------------------------------|---------|------------------|---------|-----------------|------|
| Pressure - cmH2O | Median: | 6.8 | 95th percentile: | 7.1 | Maximum: | 7.5 |
| Leaks - L/min | Median: | 21.1 | 95th percentile: | 23.6 | Maximum: | 24.3 |
| Events per hour | AI: | 6.1 | HI: | 0.4 | AHI: | 6.1 |
| Apnea Index | Central: | 4.6 | Obstructive: | 1.3 | Unknown: | 1.0 |
| RERA Index | | | | | | 5.0 |
| Cheyne–Stokes respiration (average duration per night) | | | | | 20 minutes (9%) | |
| SpO ₂ - % | Time spent SpO ₂ < 88%: | | | 18 min | | |
| | | Median: | 92 | 95th %: | 97 | |

Usage - hours



Compliance Report

This table shows you the statistics that are available on the Compliance Report per mode.

Usage

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-------------|---------|-----------------|------|------|---|----|---|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| Usage | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Usage days | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Usage hours | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Settings

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-----------------------------|---------|-----------------|------|------|-----|-----|-----|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| Minimum pressure | • | • | • | | | | | | | | | | | | | | | | |
| Maximum pressure | • | • | • | | | | | | | | | | | | | | | | |
| Set pressure | | | | • | | | | | | | | | | | | | | | |
| Start pressure | | | | •** | | | | | | | | | | | | | | | |
| IPAP | | | | | • | • | • | | | | • | | | | | | | | |
| Max IPAP | | | | | | | | • | | | | | | | | | | | |
| EPAP | | | | | • | • | • | | • | | • | • | • | • | • | • | • | • | • |
| Min EPAP | | | | | | | | • | | • | | • | | | | | | | |
| Max EPAP | | | | | | | | | | • | | • | | | | | | | |
| AutoEPAP | | | | | | | | | | | | •** | | | | | | | |
| Start EPAP | | | | | •** | •** | •** | | | | •** | •** | | | | | | | |
| Pressure support | | | | | | | | • | | | | | | | | • | • | • | • |
| Max PS | | | | | | | | | • | • | | • | | | • | | • | | |
| Min PS | | | | | | | | | • | • | | • | | | | | | | |
| P Control | | | | | | | | | | | | | | • | • | | | | • |
| P Control Max | | | | | | | | | | | | | | | • | | | | |
| iBR | | | | | | | •** | | | | | | | | | | | | |
| Respiratory rate | | | | | | • | • | | | | • | | • | • | • | • | • | • | • |
| Target patient rate | | | | | | •** | | | | | | • | | | | | | | |
| Target alveolar ventilation | | | | | | | | | | | | • | | | | | | | |
| EPR | • | • | • | •** | | | | | | | | | | | | | | | |
| EPR level | • | • | • | •** | | | | | | | | | | | | | | | |
| Ti | | | | | | | •** | | | | •** | | • | • | • | | | • | • |
| Ti Min | | | | | •** | •** | | | | | | •** | | | | • | • | | |
| Ti Max | | | | | •** | •** | | | | | | •** | | | | • | • | | |
| Rise Time | | | | | •** | •** | •** | | | | •** | •** | | • | • | • | • | • | • |
| Trigger Type | | | | •** | | | | | | | | | • | • | • | • | • | • | • |
| Trigger | | | | •** | •** | •** | | | | | •** | •** | • | • | • | • | • | • | • |
| Cycle | | | | •** | •** | •** | | | | | | •** | | | | • | • | • | • |
| Tidal Volume | | | | | | | | | | | | | • | | | | | • | |

* Statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-----------------------|---------|--------------------|------|------|-----|-----|-----|-------|-----|----------|-----|-------|-----|------|--------|-----|-------|--------|--------|
| Safety Tidal Volume | | | | | | | | | | | | | | | • | | • | | |
| Duration Option | | | | | | | | | | | | | • | | | | | • | |
| Flow Shape | | | | | | | | | | | | | • | | | | | • | |
| PIF | | | | | | | | | | | | | • | | | | | • | |
| Mask | | | | •** | •** | •** | •** | | | | •** | •** | | | | | | | |
| Interface | | | | •** | | •** | | | | | •** | •** | • | • | • | • | • | • | • |
| Circuit | | | | •** | | •** | | | | | •** | •** | • | • | • | • | • | • | • |
| Height | | | | | | | | | | | | •** | | | | | | | |
| Patient Type | | | | •** | | •** | | | | | •** | •** | • | • | • | • | • | • | • |
| Manual Breath Enable | | | | | | | | | | | | | •** | •** | •** | •** | •** | •** | •** |
| Manual Magnitude | | | | | | | | | | | | | •** | •** | •** | •** | •** | •** | •** |
| Sigh Alert | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Enable | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Interval | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Magnitude | | | | | | | | | | | | | •** | •** | •** | | | | |
| Apnea Settings | | | | | | | | | | | | | | | | | | | |
| Apnea response | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Apnea detection | | | | | | | | | | | | | • | • | • | • | • | • | • |
| T apnea | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Respiratory Rate | | | | | | | | | | | | | • | • | • | • | • | • | • |
| P control | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Ti | | | | | | | | | | | | | • | • | • | • | • | • | • |
| PIF | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Tidal Volume | | | | | | | | | | | | | • | • | • | • | • | • | • |

Statistics

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|--------------------------------|---------|--------------------|------|------|-----|-----|-----|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| Pressure (cm H ₂ O) | • | • | • | | | | | | | | | | | | | | | | |
| Leaks (L/min) | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| Leak (%) | | | | •** | | | | | | | | | • | • | • | • | • | • | • |
| Events per hour | • | • | • | •** | • | • | • | • | • | • | • | • | | | | | | | |
| Apnoea index | • | • | •** | •** | • | • | • | • | • | • | • | • | | | | | | | |
| Hypopnoea index | | | | •** | • | • | • | • | • | • | • | • | | | | | | | |
| RERA index | •** | • | | •** | | | | | | | | | | | | | | | |
| Cheyne–Stokes respiration | • | • | | •** | | | | | | | | | | | | | | | |
| Oxygen desaturation* | | | | •** | •** | •** | •** | | | | •** | •** | | | | | | | |
| SpO ₂ %* | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

* Statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

Therapy Report

This is an example of a page from the Therapy Report.



AirView™

Your Friendly HME
1234 Main St.
Suite 007
Newton, MA 02458
Phone: 617 555 1212
Fax: 617 555 2434
Email: info@yourhme.com

Berg, Philip
04/22/2015 - 05/19/2015

Patient ID: 00102499966

DOB: 10/20/1955

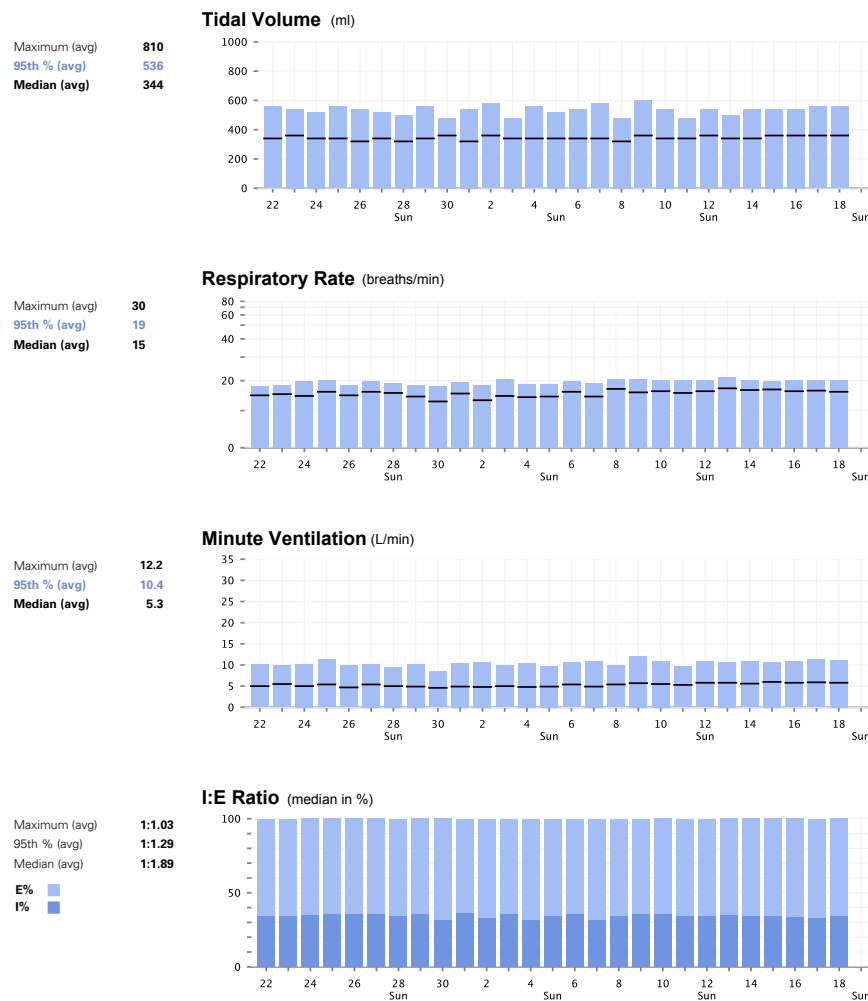
Age: 60 years

Gender: Male

Therapy Report

S9™ V-Auto with humidifier

SN: 00102499966



Therapy Report

The table shows the graphs that are available on the Therapy Report per mode.

Graphs

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|--------------------------------|---------|-----------------|------|------|---|----|---|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| Usage | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Leak (L/min) | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| Leak (%) | | | | •** | | | | | | | | •** | • | • | • | • | • | • | • |
| Pressure (cm H ₂ O) | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Events per hour | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| SpO ₂ %* | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Tidal volume | | | | •** | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Respiratory rate | | | | •** | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Minute ventilation | | | | •** | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| I:E ratio | | | | | • | • | • | • | | | • | • | • | • | • | • | • | • | • |

* Graphs and statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

Detailed Report

This is an example of a page from the Detailed Report.



AirView™

Agence de BIARRITZ
53, rue Marie de Médicis
BIARRITZ
Pyrénées-Atlantiques, 64200

Berg, Philip
04/22/2015 - 05/19/2015

Patient ID: 00102499966
DOB: 10/20/1955
Age: 60 years
Gender: Male

Detailed Report

AirSense 10 AutoSet

| | |
|---------------------------|-----------------------------------|
| Serial number | 00100236033 |
| Mode / min - max pressure | AutoSet / 5.2 - 20.0 cmH2O |
| EPR / level | Fulltime / 3.0 cmH2O |

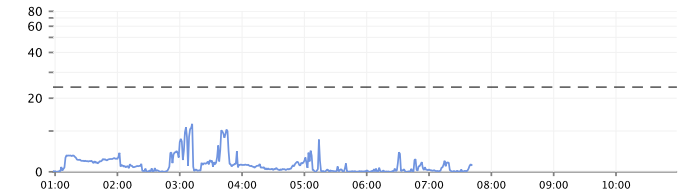
Statistics

| | | | |
|------------------|---------------------|-------------------------|---------------------|
| Usage | 6 hr 44 min | | |
| Leak - L/min | Median: 0.0 | 95th %: 6.0 | |
| Pressure - cmH2O | Median: 9.8 | 95th %: 11.2 | |
| Events per hour | AHI: 6.1 | AI: 6.1 | HI: 0.0 |
| | Central: 4.6 | Obstructive: 1.3 | Unknown: 0.2 |

Cheyne-Stokes respiration (duration) **20 min (5.0%)**

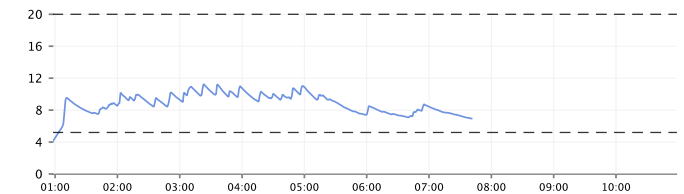
Leak (L/min)

— Leak
--- Set threshold



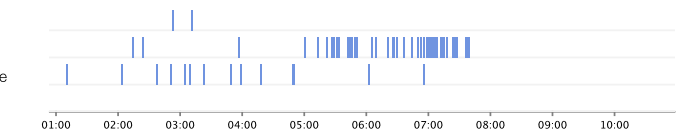
Pressure (cmH2O)

— Pressure
--- Set pressure
min/max



Events

| >= 10 sec
Hypopnea
Central
Obstructive
Unknown



Detailed Report

These tables show you the settings, statistics and graphs that are available on the Detailed Report per mode.

Settings

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-----------------------------|---------|-----------------|------|------|------|------|------|-------|-----|----------|------|-------|-----|------|--------|----|-------|--------|--------|
| Minimum pressure | • | • | • | | | | | | | | | | | | | | | | |
| Maximum pressure | • | • | • | | | | | | | | | | | | | | | | |
| Set pressure | | | | • | | | | | | | | | | | | | | | |
| Start pressure | | | | • ** | | | | | | | | | | | | | | | |
| IPAP | | | | | • | • | • | | | | • | | | | | | | | |
| Max IPAP | | | | | | | | • | | | | | | | | | | | |
| EPAP | | | | | • | • | • | | • | | • | • | • | • | • | • | • | • | • |
| Min EPAP | | | | | | | | • | | • | | • | | | | | | | |
| Max EPAP | | | | | | | | | | • | | • | | | | | | | |
| AutoEPAP | | | | | | | | | | | | • ** | | | | | | | |
| Start EPAP | | | | | • ** | • ** | • ** | | | | • ** | • ** | | | | | | | |
| Pressure support | | | | | | | | • | | | | | | | | • | • | • | • |
| Max PS | | | | | | | | | • | • | | • | | | • | | • | | |
| Min PS | | | | | | | | | • | • | | • | | | | | | | |
| P Control | | | | | | | | | | | | | | • | • | | | | • |
| P Control Max | | | | | | | | | | | | | | | • | | | | |
| iBR | | | | | | • ** | | | | | | | | | | | | | |
| Respiratory rate | | | | | | • | • | | | | • | | • | • | • | • | • | • | • |
| Target patient rate | | | | | | • ** | | | | | | • | | | | | | | |
| Target alveolar ventilation | | | | | | | | | | | | • | | | | | | | |
| EPR | • | • | • | • ** | | | | | | | | | | | | | | | |
| EPR level | • | • | • | • ** | | | | | | | | | | | | | | | |
| Ti | | | | | | | • ** | | | | • ** | | • | • | • | | | • | • |
| Ti Min | | | | | • ** | • ** | | | | | | • ** | | | | • | • | | |
| Ti Max | | | | | • ** | • ** | | | | | | • ** | | | | • | • | | |
| Rise Time | | | | | • ** | • ** | • ** | | | | • ** | • ** | | • | • | • | • | • | • |
| Trigger Type | | | | • ** | | | | | | | | | • | • | • | • | • | • | • |
| Trigger | | | | • ** | • ** | • ** | | | | | • ** | • ** | • | • | • | • | • | • | • |
| Cycle | | | | • ** | • ** | • ** | | | | | | • ** | | | | • | • | • | • |
| Tidal Volume | | | | | | | | | | | | | • | | | | | • | |
| Safety Tidal Volume | | | | | | | | | | | | | | | • | | • | | |
| Duration Option | | | | | | | | | | | | | • | | | | | | • |
| Flow Shape | | | | | | | | | | | | | • | | | | | • | |
| PIF | | | | | | | | | | | | | • | | | | | • | |
| Mask | | | | • ** | • ** | • ** | • ** | | | | • ** | • ** | | | | | | | |
| Interface | | | | • ** | | • ** | | | | | • ** | • ** | • | • | • | • | • | • | • |
| Circuit | | | | • ** | | • ** | | | | | • ** | • ** | • | • | • | • | • | • | • |

* Graphs and statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-----------------------|---------|-----------------|------|------|---|-----|---|-------|-----|----------|-----|-------|-----|------|--------|-----|-------|--------|--------|
| Height | | | | | | | | | | | | •** | | | | | | | |
| Patient Type | | | | •** | | •** | | | | | •** | •** | • | • | • | • | • | • | • |
| Manual Breath Enable | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Manual Magnitude | | | | | | | | | | | | | •** | •** | •** | •** | •** | •** | •** |
| Sigh Alert | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Enable | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Interval | | | | | | | | | | | | | •** | •** | •** | | | | |
| Sigh Magnitude | | | | | | | | | | | | | •** | •** | •** | | | | |
| Apnea Settings | | | | | | | | | | | | | | | | | | | |
| Apnea response | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Apnea detection | | | | | | | | | | | | | • | • | • | • | • | • | • |
| T apnea | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Respiratory Rate | | | | | | | | | | | | | • | • | • | • | • | • | • |
| P control | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Ti | | | | | | | | | | | | | • | • | • | • | • | • | • |
| PIF | | | | | | | | | | | | | • | • | • | • | • | • | • |
| Tidal Volume | | | | | | | | | | | | | • | • | • | • | • | • | • |

Statistics

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|-------------------------------------|---------|-----------------|------|-------|-----|-----|-----|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| IPAP pressure (cm H ₂ O) | • | • | • | •** | | •** | | • | • | • | •** | • | • | • | • | • | • | • | • |
| EPAP pressure (cm H ₂ O) | | | | •** | | •** | | • | | • | •** | • | • | • | • | • | • | • | • |
| Spont trigger % | | | | | | • | | | | | • | • | | | | | | | |
| Spont cycle % | | | | | •** | • | | • | | | | • | | | | | | | |
| Leak (L/min) | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| Leak (%) | | | | •***^ | | | | | | | | | • | • | • | • | • | • | • |
| Events per hour | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| Apnea index | • | • | | •** | •** | •** | •** | • | | | •** | •** | | | | | | | |
| Hypopnea index | | | | •** | •** | •** | •** | | | | | •** | | | | | | | |
| RERA index | •** | • | | •** | | | | | | | | | | | | | | | |
| Cheyne–Stokes respiration | • | • | | •** | | | | | | | | | | | | | | | |
| Oxygen desaturation* | | | | •** | • | •** | • | | | | •** | •** | | | | | | | |
| SpO ₂ %* | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Target IPAP | | | | | | | | | | | | •** | | | | | | | |
| Target EPAP | | | | | | | | | | | | •** | | | | | | | |

* Graphs and statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

^ Dependent on circuit

Graphs

| Parameter | AutoSet | AutoSet for Her | APAP | CPAP | S | ST | T | VAuto | ASV | ASV Auto | PAC | iVAPS | ACV | PACV | PAC.SV | PS | PS.SV | V-SIMV | P-SIMV |
|--------------------------------|---------|-----------------|------|-------------------|-----------------|-----------------|-----------------|-------|-----|----------|-----|-------|-----|------|--------|----|-------|--------|--------|
| Usage | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Leak (L/min) | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Leak (%) | • | • | • | • ^{***^} | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Pressure (cm H ₂ O) | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Events per hour | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| SpO ₂ %* | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Tidal volume | | | | • ^{**} | • ^{**} | • ^{**} | • ^{**} | | | | • | • | • | • | • | • | • | • | • |
| Respiratory rate | | | | • ^{**} | • ^{**} | • ^{**} | • ^{**} | | | | • | • | • | • | • | • | • | • | • |
| Spont trigger/cycle % | | | | | | • ^{**} | | | | | • | • | • | • | • | • | • | • | • |
| Minute ventilation | | | | • ^{**} | • ^{**} | • ^{**} | • ^{**} | | | | • | • | • | • | • | • | • | • | • |

* Graphs and statistics will show if oximetry module was connected to collect the data

** Dependent on the device type. Please refer to the device's clinical guide

^ Dependent on circuit.

Therapy data glossary

Alveolar ventilation and target alveolar ventilation (iVAPS only)

Alveolar ventilation represents the useful portion of ventilation that reaches the alveoli and does not include the anatomic dead space.

Target alveolar ventilation is the main parameter that intelligent Volume-Assured Pressure Support (iVAPS) mode uses to determine the amount of pressure support required.

Alveolar ventilation is the achieved alveolar ventilation as opposed to the target alveolar ventilation which is the alveolar ventilation the device is trying to achieve.

Apnea

An apnea is the temporary absence or cessation of breathing. An apnea is scored when there is a reduction in breathing by 75% of the baseline breathing for at least 10 seconds.

Depending on the device type, AirView shows three types of apneas:

- **Central apnea**
A central apnea is an apnea during which the upper airway remains open but there is no effort made to breathe.
- **Obstructive apnea**
An obstructive apnea is an apnea during which there is a physical closing of the upper airway.
- **Unknown apnea**
An unknown apnea is an apnea during which a leak higher than 30 L/min occurs, precluding accurate determination of whether the apnea is obstructive or central.

Apnea definition

Apnea definition sets which type of breath will initiate an apnea response ie, no breath or no spontaneous breath.

Apnea indices

For all indices, the value shown for statistics is the total number of events divided by daily usage.

- **AHI: Apnea-hypopnea index**
The total number of events is calculated by adding the number of apnea and hypopnea events. For graphs, the AHI count is incremented at the occurrence of every event and reset every hour.

- **AI:** Apnea index
- **HI:** Hypopnea index
- **CAI:** Central apnea index
- **OAI:** Obstructive apnea index
- **Total AI:** Average total apnea index
- **UAI:** Unknown apnea index

Apnea response

Apnea response sets the behavior of the ventilator when an apnea is detected.

Average usage

Average number of hours per day the device has been used during the selected period.

Daily usage

Daily usage is total usage in a single session (a session starts at midday and finishes 24 hours later).

Average daily usage

Average daily usage is the result of the sum of daily usage divided by used days, over a selected time period.

- **Median daily usage**
Median daily usage is the middle value for daily usage, where values for daily usage are listed from low to high, over a selected time period. While a few exceptionally high or low values can have a significant influence on an average measure, the median is typically more reflective of the true central tendency.

Cheyne–Stokes respiration (CSR)

CSR is a form of sleep-disordered breathing characterised by a periodic waxing and waning of respiration.

Circuit

Circuit sets whether a double limb circuit, single limb circuit with expiratory valve or single limb circuit with intentional leak is in use.

Cycle / Cycle sensitivity

Cycle sets the threshold where start of expiration within a breath is detected.

Days > 4 hours

Number of days the device has been used for more than 4 hours during the selected period or since the last compliance data was reset.

Days used

Number of days the device has been used during the selected period or since the last compliance data was reset.

Events

An event is the occurrence of a residual apnea or hypopnea.

Expiratory pressure

Average expiratory pressure during the selected period (95th percentile for each day for periods > 1 day is the average of the 95th percentiles).

Flow

Flow is an estimate of the airflow entering the lungs. It is derived by taking the total flow and then removing the leak and mask vent flow components.

Flow limitation

Flow limitation is a measure of partial upper airway obstruction.

This measure is based on the shape of the inspiratory flow–time curve. A flat shape suggests upper airway obstruction.

Flow shape

Sets the target flow waveform for the delivery of mandatory controlled volume breaths.

Height

Patient height used to determine dead space calculation.

Hypopnea

A hypopnea is an episode of shallow breathing during sleep. A hypopnea is scored when there is a reduction in breathing by 50% of baseline breathing with partial upper airway obstruction for 10 seconds or more. The event is scored after 10 seconds of the hypopnea.

I:E ratio

The ratio of inspiratory time to expiratory time.

Inspiratory pressure

Inspiratory pressure is the pressure delivered to the patient during the patient's inspiratory phase.

Inspiratory time (Ti)

Duration of inspiration (i.e. the respiratory flow into the lungs), expressed in seconds.

Interval

Sigh interval sets the period between sigh breaths.

Leak

Leak is an estimate of the total rate of air escaping due to mouth and mask leaks.

It is derived by analysing the inspiratory and expiratory airflows, together with the expected mask vent flows. High or changing leak rates may affect the accuracy of other measurements.

Magnitude

Magnitude sets the size of the manual or sigh breath delivered relative to the size of the normal ventilation breath.

Manual breath

Manual breath sets whether a manual breath is available for delivery.

Minute ventilation

Minute ventilation is the volume of air breathed in (or out) within any 60-second period.

Oxygen Desaturation Index (ODI)

ODI is the number of desaturation events per hour.

P Control

P control sets the pressure support above expiratory pressure to be delivered during inspiration for pressure assisted breaths.

Patient interface

Patient determines which interface is being used i.e. invasive, mask, or mouthpiece.

Period

Time period set to a day, week, month (1, 3 or 6) and year to display available data.

PIF

Peak Inspiratory Flow (PIF) sets the maximum delivery flow for volume controlled breaths.

PS

Sets the pressure support above expiratory pressure to be delivered during inspiration for pressure supported breaths (spontaneous breaths).

Pulse rate

The number of heart beats in a 60-second time frame. The pulse rate is calculated by an attached oximeter.

Respiratory effort related arousal (RERA)

RERA is a period of increasing respiratory effort that is terminated by an arousal.

Respiratory rate

The frequency of breathing expressed as the number of breaths per minute. The displayed rate is the average of the previous five breaths.

Rise time

Rise time sets the time taken for the ventilator to reach inspiratory pressure for pressure controlled breaths.

Safety tidal volume

Safety tidal volume sets the target minimum tidal volume for each ventilator delivered breath.

Sigh alert

Sigh alert sets whether the ventilator gives a single beep just prior to delivery of a sigh breath.

Sigh breath

Sigh breath sets whether a magnified breath (a sigh breath) will be delivered at the sigh interval.

Snore index

Snore index is a measure based on the amplitude of the pressure wave generated by a patient's snoring.

SpO₂

SpO₂ is a measure of the saturation of blood hemoglobin with oxygen, expressed as a percentage. The oxygen saturation is calculated by an attached oximeter.



AirView™
Cloud-based patient management system

T Apnea

T apnea sets the period without breath or spontaneous breath required for an apnea to be detected.

Target patient rate

Target patient rate is set equal to the patient's nominal spontaneous rate and is input into iVAPS' intelligent Backup Rate (iBR). The iBR automatically sets the backup rate in iVAPS between two-thirds of the target patient rate and the target patient rate depending on alveolar ventilation.

Tidal volume

Tidal volume is the volume of air inspired or expired in one respiratory cycle (breath).

Total hours used

Total hours used is the total patient usage over a selected time range.

Total usage

The total hours used per day.

Trigger / trigger sensitivity

Sets the trigger threshold above which the ventilator triggers a new breath, changing from expiration to inspiration.

Trigger type

Trigger type sets whether a pressure or flow based trigger threshold is used when a double limb circuit is selected.

Usage

Usage is the length of time that a patient receives therapy from the device.

The start and end times of the first 10

individual periods of usage are available for each session when using AirView.

Used days

Used days is the total number of days during which daily usage exceeded the compliance threshold (X hours, Y minutes).

Used hours

Number of hours the device has been used during the selected period or since the last compliance data reset.

Volume breath options

Volume breath options set whether Inspiratory Time (Ti) or Peak Inspiratory Flow (PIF) is used to configure volume controlled breaths.

% spont trigger or % spont cycle

Percentage of breaths that are spontaneously triggered or cycled, measured from the last 20 breaths.

% used days

% used days calculates the percentage of used days out of the total number of days selected.