

## **About the author**

Disclaimer

## **EXECUTIVE SUMMARY**

Epidemiology and market trends

Blood gas/electrolyte analyzers

Pulmonary function testing equipment

Sleep diagnostic devices

## **Epidemiology and market trends**

Summary

Introduction

Acute/adult respiratory distress syndrome (ARDS)

Etiology

Epidemiology

Diagnosis

Asthma

Etiology

Epidemiology

Diagnosis

Chronic obstructive pulmonary disease (COPD)

Etiology

Epidemiology

Diagnosis

Cystic fibrosis

Etiology

Epidemiology

Diagnosis

Pneumonia

Etiology

Epidemiology

Diagnosis

Sleep apnea

Etiology

Epidemiology

Diagnosis

Key industry challenges

Factors driving market growth

## **Blood gas/electrolyte analyzers**

Summary

Introduction

Blood gas analyzers

Measured parameters

Product differentiation

Pulse oximeter

Product differentiation

Competitive landscape

Roche

Siemens Healthcare

Abbott

Radiometer

Nova Biomedical

Market outlook to 2016

End user analysis

### **Pulmonary function testing equipment**

Summary

Introduction

Spirometer

Measured parameters

Product differentiation

Peak flow meter

Other lung function tests

Total lung volume

Diffusing capacity of the lungs for carbon monoxide (DLCO)

Forced oscillation technique (FOT)

Full spectrum pulmonary testing equipment

Competitive landscape

Medical Graphics

Cosmed

nSpire Health

CareFusion

Vitalograph

Market outlook to 2016

### **Sleep diagnostic devices**

Summary

Introduction

Polysomnograph

Measured parameters

Product differentiation

Competitive landscape

Cadwell Laboratories

CareFusion

Cleveland Medical Devices (CleveMed)

Compumedics

**Appendix**

Scope

Methodology

Glossary/Abbreviations

**TABLES**

Table: Global prevalence of ARDS, 2010–16

Table: Global prevalence of asthma, 2010–16

Table: Global prevalence of COPD, 2010–16

Table: Global prevalence of cystic fibrosis, 2010–16

Table: Global prevalence of pneumonia, 2010–16

Table: Global prevalence of sleep apnea, 2010–16

Table: Directly measured parameters

Table: Blood gas analyzers from Roche

Table: Blood gas analyzers from Siemens Healthcare

Table: Blood gas analyzers from Radiometer

Table: Blood gas analyzers from Nova Biomedical

Table: Analytical technology and representative products

Table: Comparison of single and multi patient use peak flow meters

Table: Pulmonary function testing products from Medical Graphics

Table: Pulmonary function testing products from Cosmed

Table: Pulmonary function testing products from nSpire Health

Table: Pulmonary function testing products from CareFusion

Table: Pulmonary function testing products from Vitalograph

Table: AASM classification of sleep tests

Table: Sleep monitoring devices from CareFusion

Table: Sleep monitoring devices from CleveMed

Table: Sleep monitoring devices from Compumedics

Table: Sleep monitoring devices from Embla Systems

**FIGURES**

1. Figure: Types of blood gas analyzers
2. Figure: Laboratory and POCT BGAs
3. Figure: Utilization of BGAs at various points of healthcare delivery
4. Figure: Various pulse oximeter consoles
5. Figure: Revenue forecast for blood gas and electrolyte analyzers from 2010 to 2016
6. Figure: Revenue forecast for pulse oximeters from 2010 to 2016
7. Figure: Key differentiators for the blood gas analyzer market
8. Figure: Common spirometer consoles
9. Figure: Full spectrum pulmonary testing equipment

10. Figure: Revenue forecast for spirometers from 2010 to 2016
11. Figure: Revenue forecast for full spectrum pulmonary function testing equipment from 2010 to 2016
12. Figure: Revenue forecast for sleep diagnostic market from 2010 to 2016