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Advanced Remote Patient Monitoring Systems

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Abstracts

Patient monitoring systems with advanced features, especially wireless or remote capability, are among the fastest-growing medical devices. The aging population and the associated increases in diseases such as congestive heart disease and diabetes as well as the cost of treating those conditions, is driving sales of these devices. Use of new patient monitoring technologies can result in a need for fewer personnel, increased coverage by existing personnel, and a reduction in errors and are expected to lead to better patient care and the recognition of serious health problems before they become an issue.

Full Coverage of This Fast-Growing Medical Device Area

This Kalorama Information report, *Advanced Remote Patient Monitoring Systems*, is a comprehensive study on the patient monitoring industry, including the advanced system with remote and wireless capability to includes patient monitoring equipment and devices which have advanced features. The report specifically focuses on technologically advanced (including wireless and remote) patient monitors; monitors with patient data processing applications; and monitors which are capable of data transfer to an EMR system-including equipment and peripherals which coordinate the flow of data to hospital electronic medical record systems. For the most part, devices covered in this report can: 1) provide monitoring information beyond a patient room; and 2) provide data for an EMR system or are expected to add such features within the forecast period.

Segmented Into Relevant Market Sectors

This report provides complete market sizes and revenue breakouts for the important segments of the advanced monitoring market. For the purpose of this report, three general areas of advanced patient monitoring are covered. These include:

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Vital Sign Monitoring (Blood Pressure, Pulse Oximeters, Other)

Diagnostic Monitoring (EKG, Other)

Specialized or Disease-Specific Monitoring (Anesthesia Monitors, Cardiac Rhythm Monitoring, Diabetes -Glucose Monitoring, Respiratory Monitors)

In this report, in order to reflect coverage of the broad range of patient monitoring products, The advanced patient monitoring market is segmented into two general end-user markets: hospital/acute care facilities and the telehome or Telemedicine market (which includes both home/mobile care devices). Hospitals and acute care include inpatient facilities (ie. Hospitals, trauma centers, etc.), surgery centers, burn units, urgent care clinics and other similar establishments. The Telemedicine or telehome (home/mobile care) segment includes home healthcare, assisted living homes, first responders, and other institutions. The report breaks out the market for patient monitoring systems by end user:

Hospital Patient Monitoring

Telemedicine Patient Monitoring

Businesses can use this report to plan based on the category they want to focus their research effort on.

Global Coverage of Markets and Key Trends

This truly worldwide report contains segmentation of the global market for the industry, including market estimates for US, Europe, Japan, China and Brazil. The U.S. market is also covered in detail with an entire section of market analysis just for patient monitoring in the world’s largest healthcare system.

A number of trends will be important for market-watchers to understand to fully assess the opportunity available. Issues and trends driving the market for patient monitoring, particularly advanced patient monitoring include:

Increasing life expectancy

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Implantable devices

HIPAA and Electronic Data Security

Medicine- at-Work concept

Emphasis on reducing hospital days

Intensive care, cardiology nursing shortages

Cost effectiveness

Mental Health Assessments and Telemedicine

New wireless technologies

Algorithms to “sort” data or trigger alarms

Off-site access to data

Full-service outsourcing

Converged wireless networks

Data management and the electronic medical record

HIPAA

FCC rules for medical wireless communication

Advanced Patient monitoring systems are defined by the tasks they can perform. Software enables these tasks, and represents important markets on their own. This report contains coverage of these aspects of the market, with market size and forecast assessments.

Patient Data Processing Applications and Equipment: uses algorithms to

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evaluate monitoring measurements for a patient's specific condition(s). Usually, these can be customized by the physician, with reports sent to the physician. In the market for advanced patient monitoring systems, the applications and equipment are either integrated into the patient monitoring system or are add-ons to the measuring systems.

EMR Data Transfer Equipment and Applications: described in the report as either components of, or add-ons to, patient monitoring systems. This report does not include EMR software. In general, the applications in this segment transfer data to third-party EMRs. The base year is 2012, with forecasts provided for each year through 2017. The market was evaluated via a combination of disease prevalence trends, population trends, device innovations, federal and industry standards and regulations. Both primary and secondary sources were consulted in developing market estimates.

Extensive Company Coverage

There are a considerable number of companies offering some form of wireless and remote technologies, patient data processing applications and equipment, and EMR data transfer equipment. A select few are profiled in this report including:

Abbott Laboratories

Aerotel Medical Systems

Alere

AMD Global Telemedicine

American Telecare

AuthentiDate

B. Braun

Baxter

Bosch Medical

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Boston Scientific

C.R. Bard

Cardiocom

Carematix

Compumedics

Covidien

Criticare Systems

Cybernet Medical

Dräger Medical

GE Healthcare

Getinge Group

Global Media Group

Hoana Medical

Honeywell HomMed

Infinium Medical

InTechnology

Intel Corporation

InTouch Health

Johnson & Johnson

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LifeWatch

Masimo Corp

Medtronic, Inc.

Mindray

Nihon Kohden

Omron Healthcare

OSI Systems

Philips Healthcare

Proteus Digital Health

Roche

Second Opinion Telemedicine

Schiller AG

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St. Jude Medical

Welch Allyn

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Omron Corporation
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Welch Allyn

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