

## **Executive Brief: Sensor Technology for Home Health Applications**

By Harry Wang, Senior Research Analyst

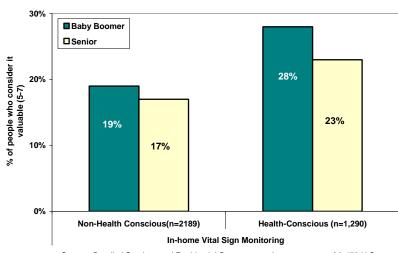
4Q 2007

#### **Synopsis**

### This report highlights the breakthroughs in sensor technology targeted for health applications and analyzes its implementation in multiple hardware platforms and service segments. Specifically, the report covers physiological sensors for vital sign monitoring, motion and utility sensors for geriatric care monitoring, and body sensor networks that offer continuous monitoring and tracking of health status of the patients. Finally the report profiles the key players in this segment.

### **Consumer Perceptions of Digital Health Services**

Perceived Value of Digital Home Health Services by Age Group (Comparison between Health Conscious and Non-Health Conscious Consumers)



Source: Bundled Services and Residential Gateways, an Internet survey of 3,479 U.S.

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"Smart sensor technology will play an increasingly bigger role in preventive care and home health monitoring services," said Harry Wang, Senior Analyst with Parks Associates. "While technology vendors are closely examining market opportunities in various care delivery segments, they are also keenly working on improve the performance and reliability of the technology itself."

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**Animas Corporation AWare Technologies** 

Body Media Inc.

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Criticare Systems, Inc.

DexCom Inc.

FitSense Technology

Healthsense

Nonin Medical, Inc. Masimo Corporation

Polar Electro

Living Independently Group, Inc.

Nellcor

Orbital Research, Inc.

Sensirion AG

Vigil Health Solutions

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**ECG Sensor Development Trends** 

Pulse Oximetry Solutions from Leading Vendors

Advances in Glucose Sensor Technology & New Approaches for Diabetic Care

Body Sensor Network Technology Choices

Body Sensor Network Initiatives Sensor Types for Senior Care

Trends in Motion and Environment Sensor Design

Senior Care Monitoring (Telecare) Market: Provider Highlights

Size of Market for Sensor-based Senior Home Care Services (2006-2012)

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