

Advanced Visualization Market by Products (Hardware, Software), Services, Solution (Standalone, Enterprise), Imaging Modality (MRI, CT, PET, Ultrasound, Radiotherapy), Clinical Application (Radiology, Orthopedics, Cardiac, Neurology) - Forecasts to 2021

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Abstracts

The advanced visualization (AV) market in terms of value is expected to reach USD 3.19 billion by 2021 from USD 1.89 billion in 2016; growing at a CAGR of 11.0% from 2016 to 2021. This market is categorized on the basis of products and services, type of solution, imaging modality, clinical application, and end user.

Major factors contributing to the growth of advanced visualization market include technological advancements in AV software such as integration of PACS & AV tools, improved diagnostic interpretation with AV tools, rising prevalence of target diseases, and growing demand for advanced diagnostic procedures. However, factors such as limited medical reimbursements for radiology-based diagnostic procedures and technological limitations associated with existing advanced visualization analysis may restrain the market growth.

On the basis of type of solution, the market is segmented into enterprise-wide thin client-based solutions and stand-alone workstation-based solutions. In 2016, the enterprise-wide thin client-based solutions is expected to account for the largest share of the market due to offered benefits such as enhanced data storage capacity, data transfer capabilities, multi-user interface, streamlined analysis, and centralized post-processing solutions.



On the basis of clinical application, the market is segmented into radiology/interventional radiology, cardiology, orthopedics, oncology, vascular, neurology, and other clinical areas (obstetrics/gynaecology, urology, pulmonary, and gastroenterology). In 2016, the radiology/interventional radiology segment is expected to account for the largest share of the market. The growing adoption of centralized server-based AV software, rising market preference for process automation and digitization of radiology diagnostics, and increasing adoption of AV solutions in radiology departments are key factors driving market growth in the radiology/interventional radiology segment.

On the basis of end user, the market is segmented into hospitals and surgical centers, imaging centers, academic and research centers, and other end users (pharmaceutical/biotechnology companies and CROs). In 2016, the hospitals and surgical centers segment is expected to account for the largest share of the market due to rising demand for advanced diagnostic technologies, patient preference for earlier and accurate disease diagnosis, and growing automation & digitalization of diagnostic workflow in healthcare facilities.

Research Coverage

Apart from the comprehensive geographical and product analysis and market sizing, the report also provides a competitive landscape that covers the growth strategies adopted by industry players over the last three years. In addition, the company profiles comprise basic views on key players in the advanced visualization market and their product portfolios, developments, and strategies. The above-mentioned market research data, current market size, and forecast of the future trends will help key players and new entrants to make the necessary decisions regarding product offerings, geographical focus, changes in strategic approach, R&D investments for innovations in products and technologies, and levels of output in order to remain successful.

Reasons to Buy the Report:

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms, garner a greater market share. Firms purchasing the report can use any one or a combination of the belowmentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market shares.



The report provides insights on the following pointers

Market Penetration: Comprehensive information on the product portfolios of top players in the advanced visualization market. The report analyzes the advanced visualization market by products and services, type of solution, imaging modality, clinical application, and end user

Product Development/Innovation: Detailed insights on the upcoming technologies, R&D activities, and new product launches in the advanced visualization market

Competitive Assessment: In-depth assessment of market strategies, geographical and business segments, and product portfolios of leading players in the advanced visualization market

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the market for various advanced visualization products across geographies

Market Diversification: Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the advanced visualization market

Scope of the Report

The research report categorizes the advanced visualization market into the following segments and subsegments:

Advanced Visualization Market, by Products and Services

Hardware and Software

Services

Implementation Services

Post-sale and Maintenance Services



Consulting/Optimization Services

Training and Education Services

Advanced Visualization Market, by Type of Solution

Enterprise-wide Thin Client-based Solutions

Standalone Workstation-based Solutions

Advanced Visualization Market, by Imaging Modality

Magnetic Resonance Imaging (MRI)

Computed Tomography (CT)

Positron Emission Tomography (PET)

Ultrasound

Radiotherapy (RT)

Nuclear Medicine

Other Imaging Modalities (PET/CT and SPECT)

Advanced Visualization Market, by Clinical Application

Radiology/Interventional Radiology

Cardiology

Orthopedics

Oncology



| Vascular | |
|--|--|
| Neurology | |
| Other Clinical Applications (Obstetrics/Gynaecology, Urology, Pulmonary, and Gastroenterology) | |
| Advanced Visualization Market, by End User | |
| Hospitals and Surgical Centers | |
| Imaging Centers | |
| Academic and Research Centers | |
| Other End Users (Pharmaceutical/Biotechnology Companies and CROs) | |
| Advanced Visualization Market, by Region | |
| North America | |
| U.S. | |
| Canada | |
| Europe | |
| Germany | |
| France | |
| U.K. | |
| Rest of Europe | |
| Asia-Pacific | |



| Japan |
|---|
| China |
| India |
| Rest of Asia-Pacific |
| Rest of the World |
| Target Audience |
| raiget Addience |
| Advanced visualization software vendors |
| Independent software vendors (ISVs) |
| Original equipment manufacturers (OEMs) of imaging modalities |
| Picture archiving and communication system (PACS) vendors |
| Hospitals and surgical centers |
| Diagnostic imaging centers |
| Healthcare IT companies |
| Clinical research organizations |
| Academic institutes and research laboratories |
| Market research and consulting firms |
| Reimbursement providers |
| |



Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 GEOGRAPHIC SCOPE
 - 1.3.3 YEARS CONSIDERED IN THE STUDY
- 1.4 CURRENCY
- 1.5 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key Data from Secondary Sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key Data from Primary Sources
 - 2.1.2.2 Breakdown of Primaries
- 2.2 OPPORTUNITY INDICATORS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE ANALYSIS
 - 2.2.2.1 Healthcare Expenditure Patterns
 - 2.2.2.2 Growth in the Geriatric Population
 - 2.2.2.3 Incidence and Prevalence of Cancer
 - 2.2.2.4 Burden of Cardiovascular Diseases
 - 2.2.2.5 Birth rate/number of pregnancies
 - 2.2.2.6 Number of clinical researches in diagnostic imaging
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.1.1 Top-down approach
- 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

3.1 INTRODUCTION



3.2 CONCLUSION

4 PREMIUM INSIGHTS

- 4.1 GLOBAL ADVANCED VISUALIZATION MARKET OVERVIEW
- 4.2 GLOBAL ADVANCED VISUALIZATION PRODUCTS AND SERVICES MARKET, BY REGION (2016)
- 4.3 GLOBAL ADVANCED VISUALIZATION MARKET, BY IMAGING MODALITIES, BY REGION (2016-2021)
- 4.4 GLOBAL ADVANCED VISUALIZATION MARKET, CLINICAL APPLICATIONS, BY REGION (2016-2021)
- 4.5 GLOBAL ADVANCED VISUALIZATION MARKET, BY END USER (2016–2021)

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
 - 5.2.1 KEY MARKET DRIVERS
 - 5.2.1.1 Advancements in AV software such as integration of PACS & AV tools
- 5.2.1.2 Technological advancements in the field of AV technology leading to improved data interpretation
 - 5.2.1.3 Rising prevalence of target diseases coupled with growing geriatric population
 - 5.2.1.4 Need for efficient and early diagnosis of disease
 - 5.2.1.5 Increasing awareness of benefits offered by AV tools in disease diagnosis
 - 5.2.2 KEY MARKET RESTRAINTS
- 5.2.2.1 Limited availability of reimbursements for radiology-based diagnostic procedures
 - 5.2.2.2 Technological limitations associated with existing AV analysis
 - 5.2.3 KEY MARKET OPPORTUNITIES
 - 5.2.3.1 Incorporation of AV solutions in mobile devices
 - 5.2.3.2 Emerging markets
 - 5.2.4 KEY MARKET CHALLENGES
 - 5.2.4.1 Budgetary constraints in hospitals across mature markets

6 INDUSTRY INSIGHTS

- **6.1 INTRODUCTION**
- 6.2 SUPPLY CHAIN ANALYSIS
 - 6.2.1 KEY STAKEHOLDERS



- 6.2.2 KEY INFLUENCERS
- 6.3 INDUSTRY TRENDS
- 6.3.1 INTEGRATION OF AV SOLUTIONS WITH ADVANCED DATA SHARING MODALITIES

7 ADVANCED VISUALIZATION MARKET, BY PRODUCTS AND SERVICES

- 7.1 INTRODUCTION
- 7.2 HARDWARE AND SOFTWARE
- 7.3 SERVICES
 - 7.3.1 IMPLEMENTATION SERVICES
 - 7.3.2 POST-SALE AND MAINTENANCE SERVICES
 - 7.3.3 CONSULTING/OPTIMIZATION SERVICES
 - 7.3.4 TRAINING AND EDUCATION SERVICES

8 ADVANCED VISUALIZATION MARKET, BY TYPE OF SOLUTION

- 8.1 INTRODUCTION
- 8.2 ENTERPRISE-WIDE THIN CLIENT-BASED SOLUTIONS
- 8.3 STANDALONE WORKSTATION-BASED SOLUTIONS

9 ADVANCED VISUALIZATION MARKET, BY IMAGING MODALITY

- 9.1 INTRODUCTION
 - 9.1.1 MAGNETIC RESONANCE IMAGING (MRI)
 - 9.1.2 COMPUTED TOMOGRAPHY (CT)
 - 9.1.3 POSITRON EMISSION TOMOGRAPHY (PET)
 - 9.1.4 ULTRASOUND
 - 9.1.5 RADIOTHERAPY (RT)
 - 9.1.6 NUCLEAR MEDICINE
 - 9.1.7 OTHER IMAGING MODALITIES

10 ADVANCED VISUALIZATION MARKET, BY CLINICAL APPLICATION

- **10.1 INTRODUCTION**
- 10.2 RADIOLOGY/INTERVENTIONAL RADIOLOGY
- 10.3 CARDIOLOGY
- 10.4 ORTHOPEDICS
- 10.5 ONCOLOGY



- 10.6 VASCULAR
- 10.7 NEUROLOGY
- 10.8 OTHER CLINICAL APPLICATIONS

11 ADVANCED VISUALIZATION MARKET, BY END USER

- 11.1 INTRODUCTION
- 11.2 HOSPITALS AND SURGICAL CENTERS
- 11.3 IMAGING CENTERS
- 11.4 ACADEMIC AND RESEARCH CENTERS
- 11.5 OTHER END USERS

12 ADVANCED VISUALIZATION MARKET, BY REGION

- 12.1 INTRODUCTION
- 12.2 NORTH AMERICA
 - 12.2.1 U.S.
 - 12.2.2 CANADA
- **12.3 EUROPE**
- **12.3.1 GERMANY**
- 12.3.2 U.K.
- 12.3.3 FRANCE
- 12.3.4 REST OF EUROPE
- 12.4 ASIA-PACIFIC
 - 12.4.1 JAPAN
 - 12.4.2 CHINA
 - 12.4.3 INDIA
 - 12.4.4 REST OF ASIA-PACIFIC
- 12.5 REST OF THE WORLD

13 COMPETITIVE LANDSCAPE

- 13.1 OVERVIEW
- 13.2 MARKET SHARE ANALYSIS
- 13.3 COMPETITIVE SCENARIO
 - 13.3.1 PRODUCT LAUNCHES, APPROVALS, AND ENHANCEMENTS
 - 13.3.2 GEOGRAPHIC EXPANSIONS
- 13.3.3 AGREEMENTS, PARTNERSHIPS, AND COLLABORATIONS
- 13.3.4 STRATEGIC ACQUISITIONS



13.3.5 OTHER DEVELOPMENTS

14 COMPANY PROFILES

14.1 INTRODUCTION

14.1.1 GEOGRAPHIC BENCHMARKING

(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, Ratio Analysis, MnM View)*

- 14.2 GENERAL ELECTRIC COMPANY
- 14.3 TOSHIBA CORPORATION
- 14.4 SIEMENS AG
- 14.5 KONINKLIJKE PHILIPS N.V.
- 14.6 FUJIFILM HOLDINGS CORPORATION
- 14.7 TERARECON, INC.
- 14.8 PRO MEDICUS LIMITED
- 14.9 CARESTREAM HEALTH, INC. (A PART OF ONEX CORPORATION)
- 14.10 AGFA-GEVAERT N.V.
- 14.11 QI IMAGING

*Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

15 APPENDIX

- 15.1 DISCUSSION GUIDE
- 15.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 15.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 15.4 AVAILABLE CUSTOMIZATIONS
- 15.5 RELATED REPORTS
- 15.6 AUTHOR DETAILS



List Of Tables

LIST OF TABLES

Table 1 ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES, 2014–2021 (USD MILLION)

Table 2 ADVANCED VISUALIZATION HARDWARE AND SOFTWARE MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 3 ADVANCED VISUALIZATION SERVICES MARKET SIZE, 2014–2021 (USD MILLION)

Table 4 ADVANCED VISUALIZATION SERVICES MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 5 ADVANCED VISUALIZATION IMPLEMENTATION SERVICES MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 6 ADVANCED VISUALIZATION POST-SALE & MAINTENANCE SERVICES MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 7 ADVANCED VISUALIZATION CONSULTING/OPTIMIZATION SERVICES MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 8 ADVANCED VISUALIZATION TRAINING AND EDUCATION SERVICES MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 9 GLOBAL ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 10 ENTERPRISE-WIDE THIN CLIENT-BASED AV SOLUTIONS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 11 STANDALONE WORKSTATION-BASED AV SOLUTIONS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 12 ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 13 ADVANCED VISUALIZATION MARKET SIZE FOR MRI, BY REGION, 2014–2021 (USD MILLION)

Table 14 ADVANCED VISUALIZATION MARKET SIZE FOR CT, BY REGION, 2014–2021 (USD MILLION)

Table 15 ADVANCED VISUALIZATION MARKET SIZE FOR PET, BY REGION, 2014–2021 (USD MILLION)

Table 16 ADVANCED VISUALIZATION MARKET SIZE FOR ULTRASOUND, BY REGION, 2014–2021 (USD MILLION)

Table 17 ADVANCED VISUALIZATION MARKET SIZE FOR RADIOTHERAPY, BY REGION, 2014–2021 (USD MILLION)

Table 18 ADVANCED VISUALIZATION MARKET SIZE FOR NUCLEAR MEDICINE, BY



REGION, 2014–2021 (USD MILLION)

Table 19 ADVANCED VISUALIZATION MARKET SIZE FOR OTHER IMAGING MODALITIES, BY REGION, 2014–2021 (USD MILLION)

Table 20 ADVANCED VISUALIZATION MARKET SIZE, BY CLINICAL APPLICATION, 2014–2021 (USD MILLION)

Table 21 ADVANCED VISUALIZATION MARKET SIZE FOR

RADIOLOGY/INTERVENTIONAL RADIOLOGY, BY REGION, 2014–2021 (USD MILLION)

Table 22 ADVANCED VISUALIZATION MARKET SIZE FOR CARDIOLOGY, BY REGION, 2014–2021 (USD MILLION)

Table 23 ADVANCED VISUALIZATION MARKET SIZE FOR ORTHOPEDICS, BY REGION, 2014–2021 (USD MILLION)

Table 24 ADVANCED VISUALIZATION MARKET SIZE FOR ONCOLOGY, BY REGION, 2014–2021 (USD MILLION)

Table 25 ADVANCED VISUALIZATION MARKET SIZE FOR VASCULAR, BY REGION, 2014–2021 (USD MILLION)

Table 26 ADVANCED VISUALIZATION MARKET SIZE FOR NEUROLOGY, BY REGION, 2014–2021 (USD MILLION)

Table 27 ADVANCED VISUALIZATION MARKET SIZE FOR OTHER CLINICAL APPLICATIONS, BY REGION, 2014–2021 (USD MILLION)

Table 28 ADVANCED VISUALIZATION MARKET SIZE, BY END USER, 2014–2021 (USD MILLION)

Table 29 ADVANCED VISUALIZATION MARKET SIZE FOR HOSPITALS & SURGICAL CENTERS, BY REGION, 2014–2021 (USD MILLION)

Table 30 ADVANCED VISUALIZATION MARKET SIZE FOR IMAGING CENTERS, BY REGION, 2014–2021 (USD MILLION)

Table 31 ADVANCED VISUALIZATION MARKET SIZE FOR ACADEMIC & RESEARCH CENTERS, BY REGION, 2014–2021 (USD MILLION)

Table 32 ADVANCED VISUALIZATION MARKET SIZE FOR OTHER END USERS, BY REGION, 2014–2021 (USD MILLION)

Table 33 ADVANCED VISUALIZATION MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 34 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 35 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES, 2014–2021 (USD MILLION)

Table 36 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 37 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY



IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 38 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY CLINICAL APPLICATION, 2014–2021 (USD MILLION)

Table 39 NORTH AMERICA: ADVANCED VISUALIZATION MARKET SIZE, BY END USER, 2014–2021 (USD MILLION)

Table 40 U.S.: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 41 U.S.: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 42 CANADA: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 43 CANADA: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 44 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 45 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES, 2014–2021 (USD MILLION)

Table 46 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 47 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 48 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY CLINICAL APPLICATION, 2014–2021 (USD MILLION)

Table 49 EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY END USER, 2014–2021 (USD MILLION)

Table 50 GERMANY: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 51 GERMANY: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 52 U.K.: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 53 U.K.: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 54 FRANCE: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 55 FRANCE: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 56 REST OF EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)



Table 57 REST OF EUROPE: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 58 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY COUNTRY, 2014–2021 (USD MILLION)

Table 59 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES, 2014–2021 (USD MILLION)

Table 60 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 61 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 62 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY CLINICAL APPLICATION, 2014–2021 (USD MILLION)

Table 63 ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY END USER, 2014–2021 (USD MILLION)

Table 64 JAPAN: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 65 JAPAN: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 66 CHINA: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 67 CHINA: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 68 INDIA: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 69 INDIA: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 70 REST OF ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION, 2014–2021 (USD MILLION)

Table 71 REST OF ASIA-PACIFIC: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 72 ROW: ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES, 2014–2021 (USD MILLION)

Table 73 ROW: ADVANCED VISUALIZATION MARKET SIZE, BY SOLUTION, 2014–2021 (USD MILLION)

Table 74 ROW: ADVANCED VISUALIZATION MARKET SIZE, BY IMAGING MODALITY, 2014–2021 (USD MILLION)

Table 75 ROW: ADVANCED VISUALIZATION MARKET SIZE, BY CLINICAL APPLICATION, 2014–2021 (USD MILLION)

Table 76 ROW: ADVANCED VISUALIZATION MARKET SIZE, BY END USER,



2014-2021 (USD MILLION)

Table 77 TOP NEW PRODUCT LAUNCHES, APPROVALS, AND ENHANCEMENTS (2013–2016)

Table 78 TOP GEOGRAPHIC EXPANSIONS (2013–2016)

Table 79 TOP AGREEMENTS, PARTNERSHIPS, AND COLLABORATIONS (2013–2016)

Table 80 TOP ACQUISITIONS (2013–2016)

Table 81 TOP OTHER DEVELOPMENTS (2013–2016)



List Of Figures

LIST OF FIGURES

Figure 1 RESEARCH DESIGN

Figure 2 BREAKDOWN OF SUPPLY-SIDE PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

Figure 3 HEALTHCARE EXPENDITURE ACROSS MAJOR COUNTRIES, 2000 VS. 2014

Figure 4 HEALTHCARE EXPENDITURE ACROSS MAJOR REGIONS, 2000 VS. 2014 Figure 5 HEALTHCARE SPENDING MATRIX: KEY MARKETS (2015)

Figure 6 INCREASE IN GERIATRIC POPULATION, BY COUNTRY (2011 VS. 2015 VS. 2030)

Figure 7 INCREASE IN THE PROPORTION OF THE ELDERLY IN THE OVERALL POPULATION, BY COUNTRY (2011 VS. 2015 VS. 2030)

Figure 8 PERCENTAGE INCREASE IN GERIATRIC POPULATION, BY REGION (1980–2010 VS. 2010–2040)

Figure 9 GLOBAL BURDEN OF CANCER, BY REGION (2005 VS. 2015 VS. 2030) Figure 10 NUMBER OF NEW CANCER CASES, BY COUNTRY (2012 VS. 2015 VS. 2020)

Figure 11 INCREASING INCIDENCE OF VARIOUS CANCERS, 2008–2020

Figure 12 GLOBAL BURDEN OF CARDIOVASCULAR DISEASES, BY REGION (2005 VS. 2015 VS. 2030)

Figure 13 ANNUAL BIRTH RATE IN DEVELOPED AND DEVELOPING NATIONS (2014)

Figure 14 U.S., EUROPE, AND CHINA TO LEAD DIAGNOSTIC IMAGING-BASED RESEARCHES IN 2015

Figure 15 ADVANCED VISUALIZATION MARKET: BOTTOM-UP APPROACH

Figure 16 ADVANCED VISUALIZATION MARKET: TOP-DOWN APPROACH

Figure 17 ADVANCED VISUALIZATION MARKET: DATA TRIANGULATION

Figure 18 ADVANCED VISUALIZATION MARKET SIZE, BY PRODUCTS AND SERVICES (2016 VS. 2021)

Figure 19 ADVANCED VISUALIZATION MARKET SIZE, BY TYPE OF SOLUTION (2016 VS. 2021)

Figure 20 ADVANCED VISUALIZATION MARKET SIZE, BY END USER, 2016 VS. 2021

Figure 21 ASIA-PACIFIC TO REGISTER HIGHEST GROWTH DURING THE FORECAST PERIOD

Figure 22 GROWING NUMBER OF ADVANCED DIAGNOSTIC IMAGING



PROCEDURES TO DRIVE THE MARKET GROWTH FOR ADVANCED VISUALIZATION PRODUCTS

Figure 23 NORTH AMERICA IS EXPECTED TO DOMINATE THE ADVANCED VISUALIZATION MARKET IN 2016

Figure 24 MRI IMAGING TO DOMINATE THE ADVANCED VISUALIZATION MODALITIES MARKET DURING THE FORECAST PERIOD

Figure 25 RADIOLOGY/INTERVENTIONAL RADIOLOGY IS EXPECTED TO COMMAND THE LARGEST SHARE OF ADVANCED VISUALIZATION APPLICATIONS MARKET IN 2016

Figure 26 HOSPITALS AND SURGICAL CENTERS TO DOMINATE THE ADVANCED VISUALIZATION END USERS MARKET DURING THE FORECAST PERIOD Figure 27 IMPROVEMENTS IN DIAGNOSTIC EFFICIENCY TO DRIVE THE DEMAND FOR AV SOLUTIONS

Figure 28 PERCENTAGE CHANGE IN ANNUAL HEALTHCARE

EXPENDITURE—DEVELOPED AND DEVELOPING COUNTRIES (2010 VS. 2015)

Figure 29 PROMINENT MARKET PLAYERS PREFER BOTH DIRECT & INDIRECT DISTRIBUTION STRATEGIES

Figure 30 HARDWARE AND SOFTWARE TO DOMINATE THE ADVANCED VISUALIZATION MARKET DURING 2016-2021

Figure 31 IMPLEMENTATION SERVICES TO DOMINATE THE ADVANCED VISUALIZATION SERVICES MARKET TILL 2021

Figure 32 CLIENT-BASED SOLUTIONS TO HOLD LARGER MARKET SHARE AS COMPARED TO WORKSTATION-BASED AV SOLUTIONS DURING 2016-2021 Figure 33 MRI, CT, AND PET IMAGING SEGMENTS ARE EXPECTED TO BE THE TOP 3 MODALITY SEGMENTS OF ADVANCED VISUALIZATION MARKET TILL 2021 Figure 34 RADIOLOGY AND CARDIOLOGY IMAGING SEGMENTS IS EXPECTED TO DOMINATE ADVANCED VISUALIZATION MARKET IN 2016

Figure 35 HOSPITALS AND SURGICAL CENTERS TO BE THE LARGEST END USER SEGMENT OF ADVANCED VISUALIZATION INDUSTRY DURING 2016-2021 Figure 36 MARKET SNAPSHOT: NORTH AMERICAN ADVANCED VISUALIZATION INDUSTRY (2016-2021)

Figure 37 MARKET SNAPSHOT: NORTH AMERICAN ADVANCED VISUALIZATION INDUSTRY (2016-2021)

Figure 38 MARKET SNAPSHOT: NORTH AMERICAN ADVANCED VISUALIZATION INDUSTRY (2016-2021)

Figure 39 MARKET SNAPSHOT: ROW ADVANCED VISUALIZATION INDUSTRY (2016-2021)

Figure 40 GLOBAL ADVANCED VISUALIZATION MARKET SHARE, KEY PLAYER (2015)



Figure 41 GEOGRAPHIC REVENUE MIX OF THE TOP 5 MARKET PLAYERS (2015)

Figure 42 GENERAL ELECTRIC COMPANY: COMPANY SNAPSHOT

Figure 43 TOSHIBA CORPORATION: COMPANY SNAPSHOT

Figure 44 SIEMENS AG: COMPANY SNAPSHOT

Figure 45 KONINKLIJKE PHILIPS N.V.: COMPANY SNAPSHOT

Figure 46 FUJIFILM HOLDINGS CORPORATION: COMPANY SNAPSHOT

Figure 47 PRO MEDICUS LIMITED: COMPANY SNAPSHOT

Figure 48 ONEX CORPORATION: COMPANY SNAPSHOT

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