Diagnostic Imaging Global Market

2015

[[Products (Computed Tomography Scanners, Nuclear Imaging(NI) Equipments, Magnetic Resonance Imaging Systems, Ultrasound Scanners, X-ray Devices and Others), Techniques (Computed Tomography, Nuclear Imaging(NI), Magnetic Resonance Imaging, Ultrasound, X-ray and Others), Applications (Cardiovascular diseases, Oncology, Abdominal related problems, Neurological disorders, Orthopaedic related problems, Gynecology and others), End-Users (Hospitals, Diagnostic laboratories and Research laboratories), Region (North America, Europe, APAC and RoW)]

– Forecast to 2020

IQ4I Research & Consultancy Pvt. Ltd.

info@iq4i.com

www.iq4i.com

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

1.1 REPORT DESCRIPTION

Diagnostic imaging is a non-invasive diagnosis and treatment of some of the most life threatening diseases such as cancer and heart diseases and they have nearly eliminated the need for exploratory surgery. It is being identified as one of the fastest growing markets among the healthcare sector. Imaging techniques would allow diagnosing, treating and curing patients without causing any harmful side effects. The different diagnostic imaging modalities include X-ray systems, Computed Tomography (CT) Scanners, Magnetic Resonance Imaging (MRI) systems, Ultrasound systems and Nuclear imaging systems.

Globally Diagnostic imaging market is segmented into product outlook, technology outlook, applications and end-users. Product outlook is further segmented into Computed Tomography (CT) scanners, Nuclear Imaging (NI) equipment, Magnetic Resonance Imaging (MRI) systems, Ultrasound scanners and X-ray devices and others. Technology outlook is also alienated again into Computed Tomography (CT), Nuclear Imaging (NI), Magnetic Resonance Imaging (MRI), Ultrasound and x-ray and others. Application outlook is classified into Cardiovascular Diseases (CVD's), Oncology, Neurological disorders, abdominal related problems, Orthopaedic related problems, gynecology related problems and others. Depending on the end-users, the market is segmented into hospitals, diagnostic laboratories and research laboratories.

Globally among the diagnostic imaging techniques, X-ray is the most frequently used imaging technique with more than 100 million X-ray exams per year followed by MRI, PET, SPECT, CT and nuclear medicine. This indicates that diagnostic imaging market contributes to its highest share among all imaging techniques.

This report studies the Diagnostic imaging technologies global market over the forecast period 2014 to 2020. The market is expected to grow at a CAGR of more than 5.1% during the forecast period. Increasing incidence of life threatening diseases with growth of aged cohort, growing awareness among people about early disease diagnosis and improving healthcare expenditure in emerging markets, high number of ongoing research activities across the globe are the factors driving the market growth. High cost of diagnostic imaging systems, imposition of excise tax on sale of medical devices and risk of radiation exposure limiting the usage of some diagnostic imaging systems are the factors hampering the market growth.

North America holds the largest share in the global diagnostic imaging market, followed by Europe. However, the Asia-Pacific market is expected to grow at the highest CAGR of 6.5% during the forecast period. The Asian and Latin American countries represent the fastest growing markets due to increasing government support for research and rising industry and academic partnerships for pre-clinical research. But still the factors such as economic slowdown, pricing pressures may compel the companies to focus on Asian markets.

The key market players in the global diagnostic imaging market are Analogic Corporation (U.S.), GE Healthcare (U.K), Philips Healthcare (Netherland), Siemens Healthcare (U.S.), Toshiba Medical Systems Corporation (Japan), Hitachi Medical Corporation (Japan), Carestream Health, Inc. (U.S.), Hologic, Inc. (U.S.), Samsung Medison (South Korea) and Shimadzu Corporation (Japan). Among them GE Healthcare (U.K.) holds the leadership position in the global market by launching many new products into the market.

The report provides an in depth market analysis of the above mentioned segments across the following regions:

- North America
- Europe
- Asia-Pacific
- Rest of the World (RoW)

TABLE 1

DIAGNOSTIC IMAGING GLOBAL MARKET REVENUE, BY REGION (2012-2020) ($MN)

Region	2012	2013	2014	2020	CAGR (%) (2014-2020)
North America	XX	XX	XX	XX	XX
Europe	XX	XX	XX	XX	XX
Asia-Pacific	XX	XX	XX	XX	XX
RoW	XX	XX	XX	XX	XX
Total	XX	XX	XX	XX	XX

Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

North America accounted for the largest revenue of $XX million of the global diagnostic imaging market in 2013. It is expected to grow at a CAGR of XX% from 2014 to 2020 to reach $XX million by 2020. Asia-Pacific is expected to grow at the highest CAGR of XX% during the forecast period.

TABLE 2

DIAGNOSTIC IMAGING GLOBAL MARKET REVENUE, BY PRODUCT (2012-2020) ($MN)

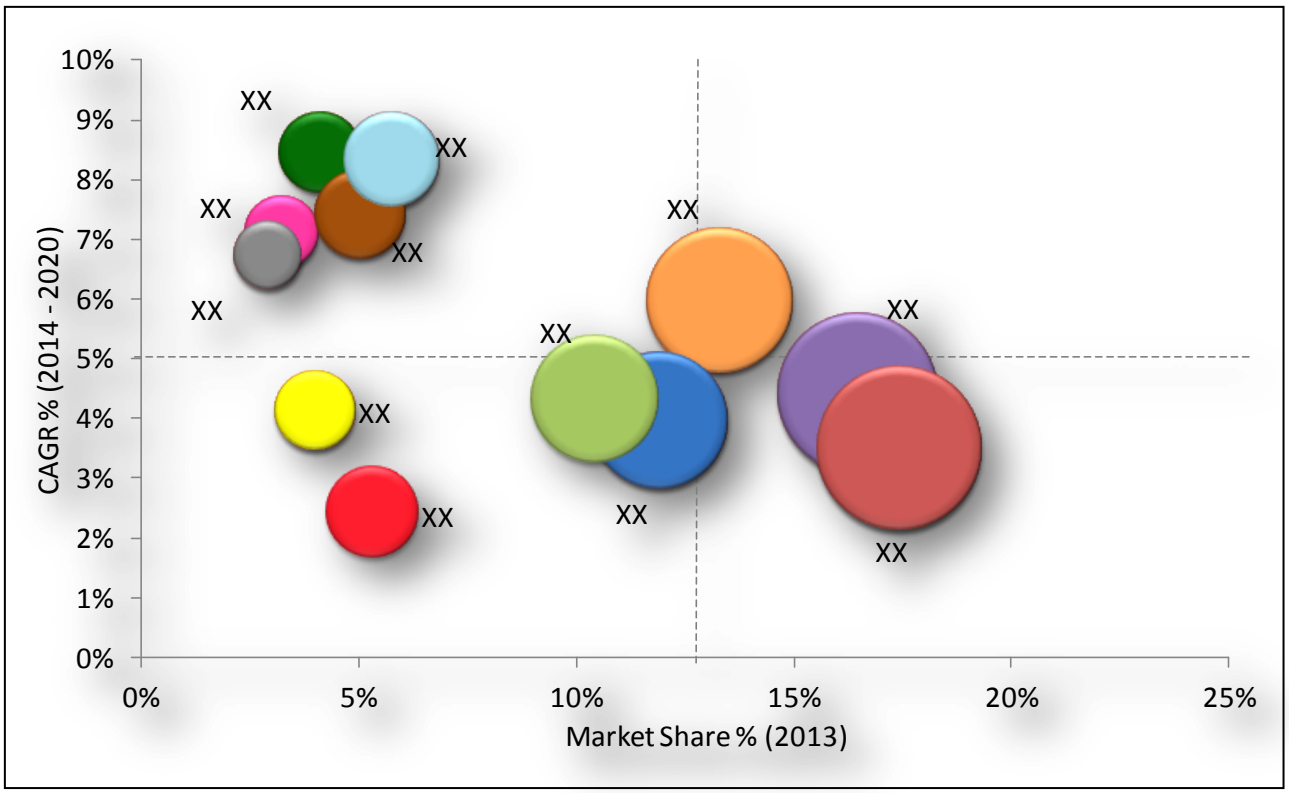
Type	2012	2013	2014	2020	CAGR (%) (2014-2020)
Computed Tomography (CT) Scanners	XX	XX	XX	XX	XX
Nuclear Imaging (NI) Equipment	XX	XX	XX	XX	XX
Magnetic Resonance Imaging (MRI) Systems	XX	XX	XX	XX	XX
Ultrasound Scanners	XX	XX	XX	XX	XX
X-ray Devices	XX	XX	XX	XX	XX
Others	XX	XX	XX	XX	XX
Total	XX	XX	XX	XX	XX

Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

XX commanded the largest share of XX% of the global diagnostic imaging market. It accounted for $XX million in 2013 growing at a CAGR of XX% from 2014 to 2020. XX application is expected to grow at the highest CAGR of XX% during the forecast period.

FIGURE 1

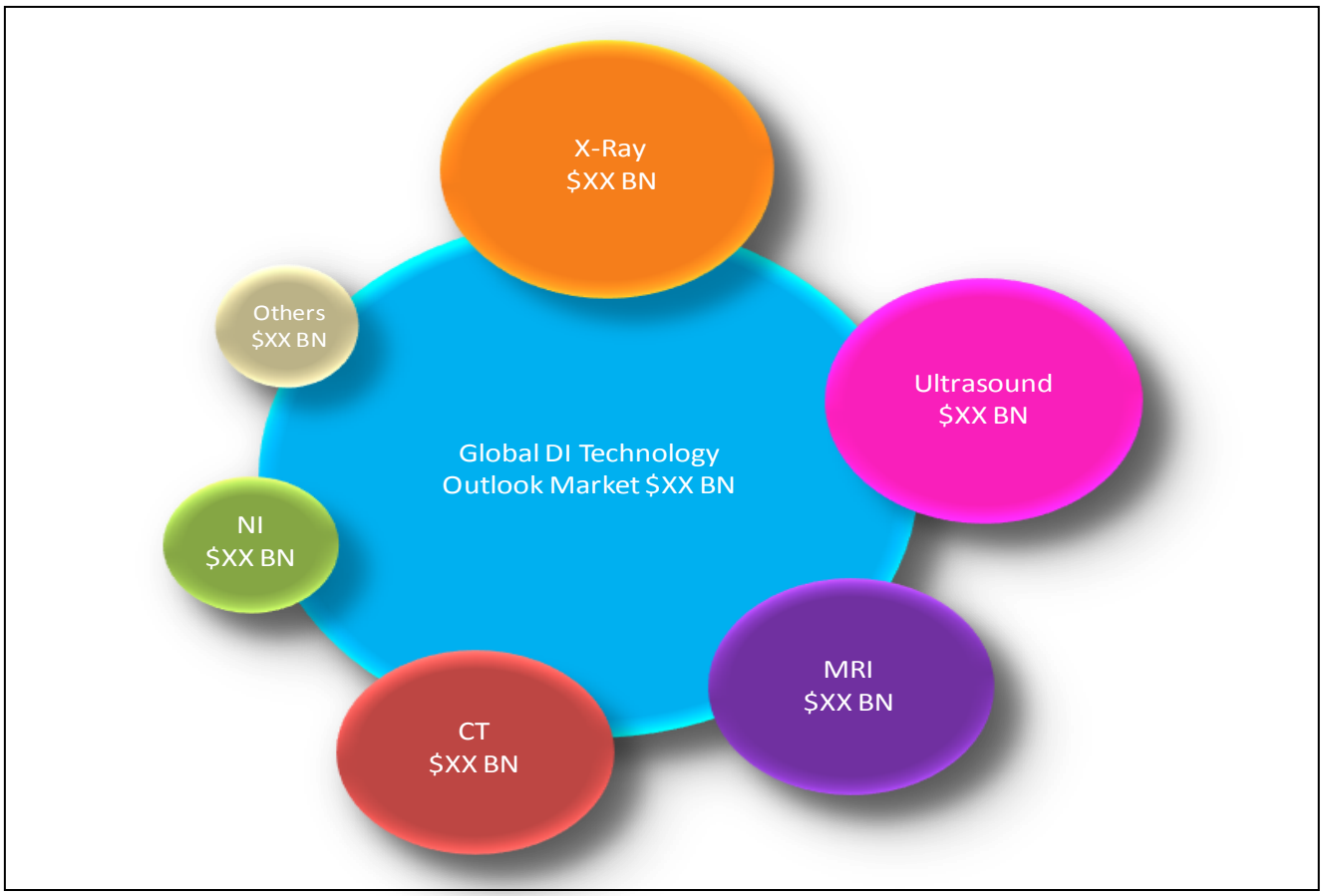
GLOBAL DIAGNOSTIC IMAGING MARKET SCENARIO, BY PRODUCT OUTLOOK (2013)



Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

FIGURE 2

GLOBAL DIAGNOSTIC IMAGING MARKET REVENUE, BY TECHNOLOGY OUTLOOK (2013) ($BN)



Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

TABLE 3

ULTRASOUND SCANNERS GLOBAL MARKET REVENUE, BY TECHNOLOGY (2012-2020) ($MN)

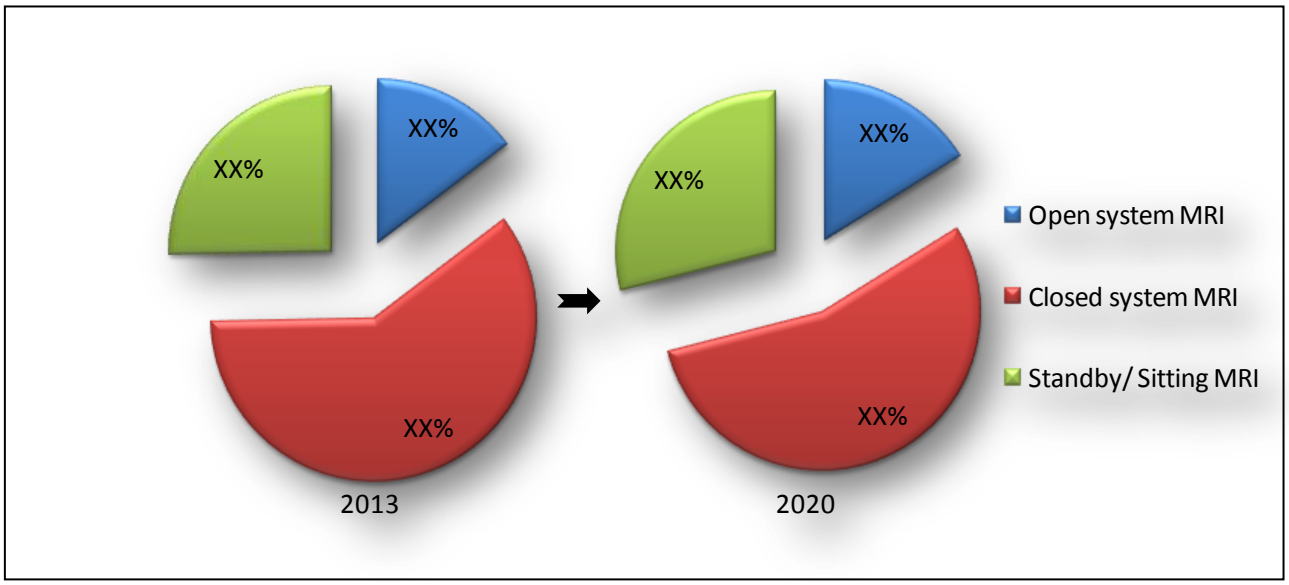
Type	2012	2013	2014	2020	CAGR (%) (2014-2020)
2D Ultrasound systems	XX	XX	XX	XX	XX
3D and 4D Ultrasound systems	XX	XX	XX	XX	XX
Doppler Ultrasonography	XX	XX	XX	XX	XX
HIFU Imaging systems	XX	XX	XX	XX	XX
Contrast ultrasound systems	XX	XX	XX	XX	XX
Ultrasound Elastography	XX	XX	XX	XX	XX
Others	XX	XX	XX	XX	XX
Total	XX	XX	XX	XX	XX

Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

XX commanded the largest share of XX% of the global diagnostic imaging market. It accounted for $XX million in 2013 growing at a CAGR of XX% from 2014 to 2020. XX is expected to grow at the highest CAGR of XX% during the forecast period.

FIGURE 3

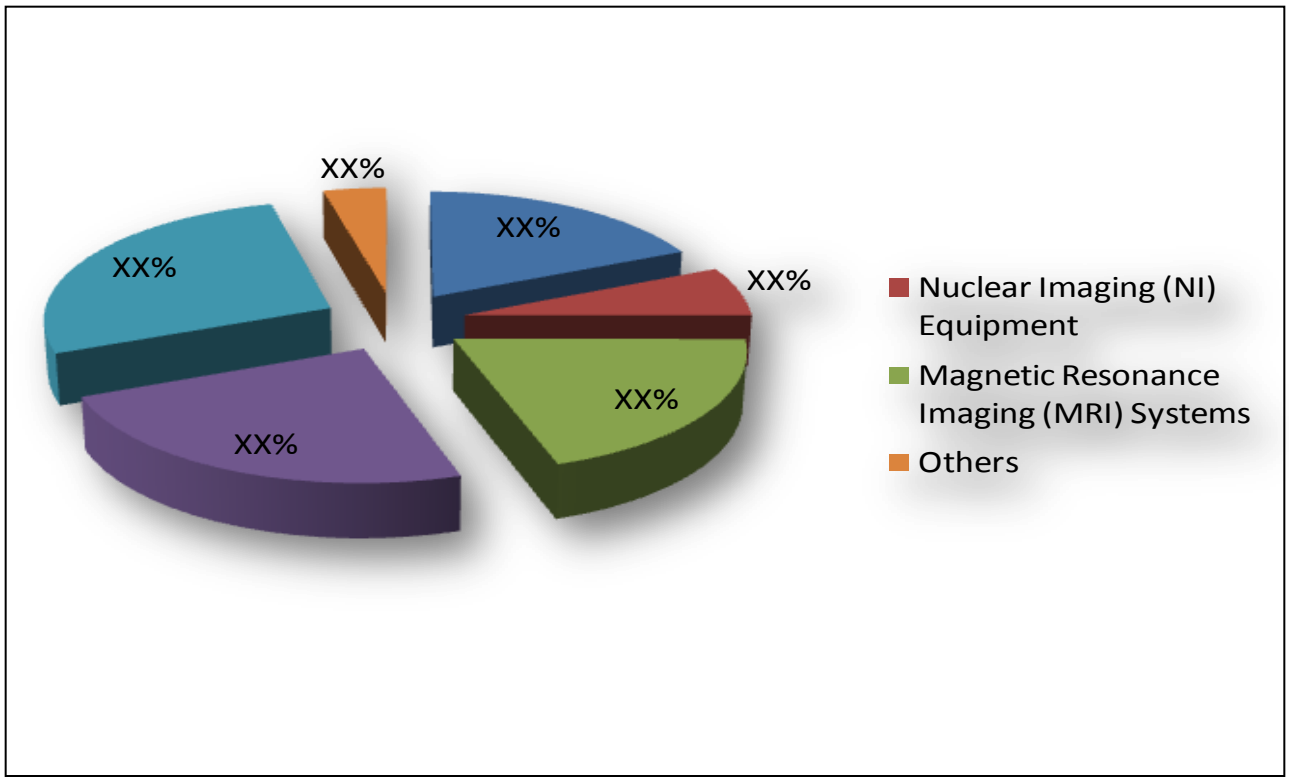
GLOBAL MRI MARKET SHARE, BY PRODUCT TYPE (2013 V'S 2020)



Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

FIGURE 4

NORTH AMERICAN DIAGNOSTIC IMAGING MARKET SHARE, BY PRODUCT OUTLOOK (2013)



Source: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, Other Country Associations & Groups and Industry Expert Interviews

1.1.1 RESEARCH SOURCES

TABLE 4

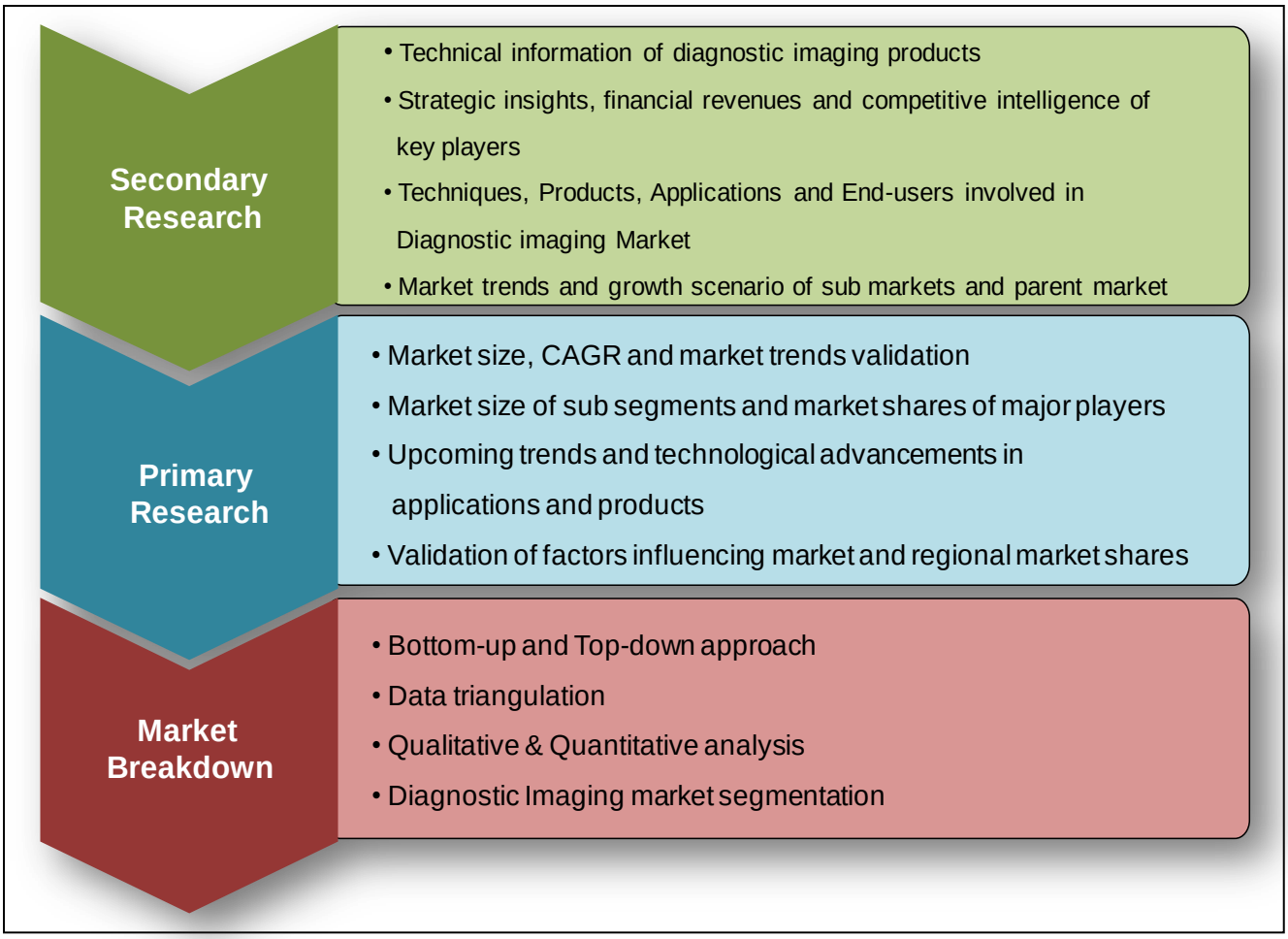
DIAGNOSTIC IMAGING MARKET: RESEARCH SOURCES

Primary Sources	Secondary Sources
• **Supply Side:** Top-level Executives, Marketing Managers, Sales Managers, Regional Managers • **Demand Side:** Hospital Medical Directors, Laboratory Managers, Research Scientists, Principal Scientists, Purchase/Procurement Managers, Laboratory Technicians, Academic Research • **Others:** Independent Consultants and Freelancers	• IQ4I Repository • Diagnostic Imaging Company-Specific annual reports, SEC filings, corporate presentations & Press releases • Associations and Groups: International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Association of Medical Imaging Management (AHRA), American Board of Radiology (ABR), World Health Organization (WHO), MITA, SNM, CDC, CMS, ADIA, and Other Country Associations & Groups • Paid Sources : Factiva, OneSource, Hoovers, Bloomberg • Social Networking & Databases: LinkedIn, Melt-Water, and Zintro

1.2 RESEARCH METHODOLOGY

FIGURE 5

DIAGNOSTIC IMAGING MARKET: RESEARCH APPROACH



1.2.1 ASSUMPTIONS

Parameter	Assumptions
Market growth	The CAGR for the forecast period (2014-2020) is assumed to be normalized and the effect of inflation, recession, economic downturn, regulatory or policy changes, or other factors are not considered.
Segmental & Sub segmental market shares	The market shares are analyzed purely based on the absolute data, in case of the data non availability for the sub markets the parent market trend has been assumed for the forecast period
Market Share Analysis	Market share analysis of key players is performed based on the primary research insights and their segmental revenues

1.2.2 MARKET SIZE ESTIMATION

The global diagnostic imaging market size, its different segments and sub-segments are analyzed using both top-down and bottom-up approaches. The market size and revenue calculated using research methodology involves primary and secondary research of major players in the market, factors influencing the market, market segmentation and geographical market scenario.

Secondary research of major players include the study of their annual and financial reports, press release while primary research involves interviews from the supply side (CEOs, directors, strategic growth managers, international/regional marketing managers, and marketing executives) and the demand side (laboratory heads, hospitals, and purchase managers).

Primary and secondary sources helped in verification of percentage shares, splits, and breakdowns. This data is consolidated with detailed inputs and presented in this report.

FIGURE 6

DIAGNOSTIC IMAGING MARKET: TOP-DOWN AND BOTTOM-UP APPROACH

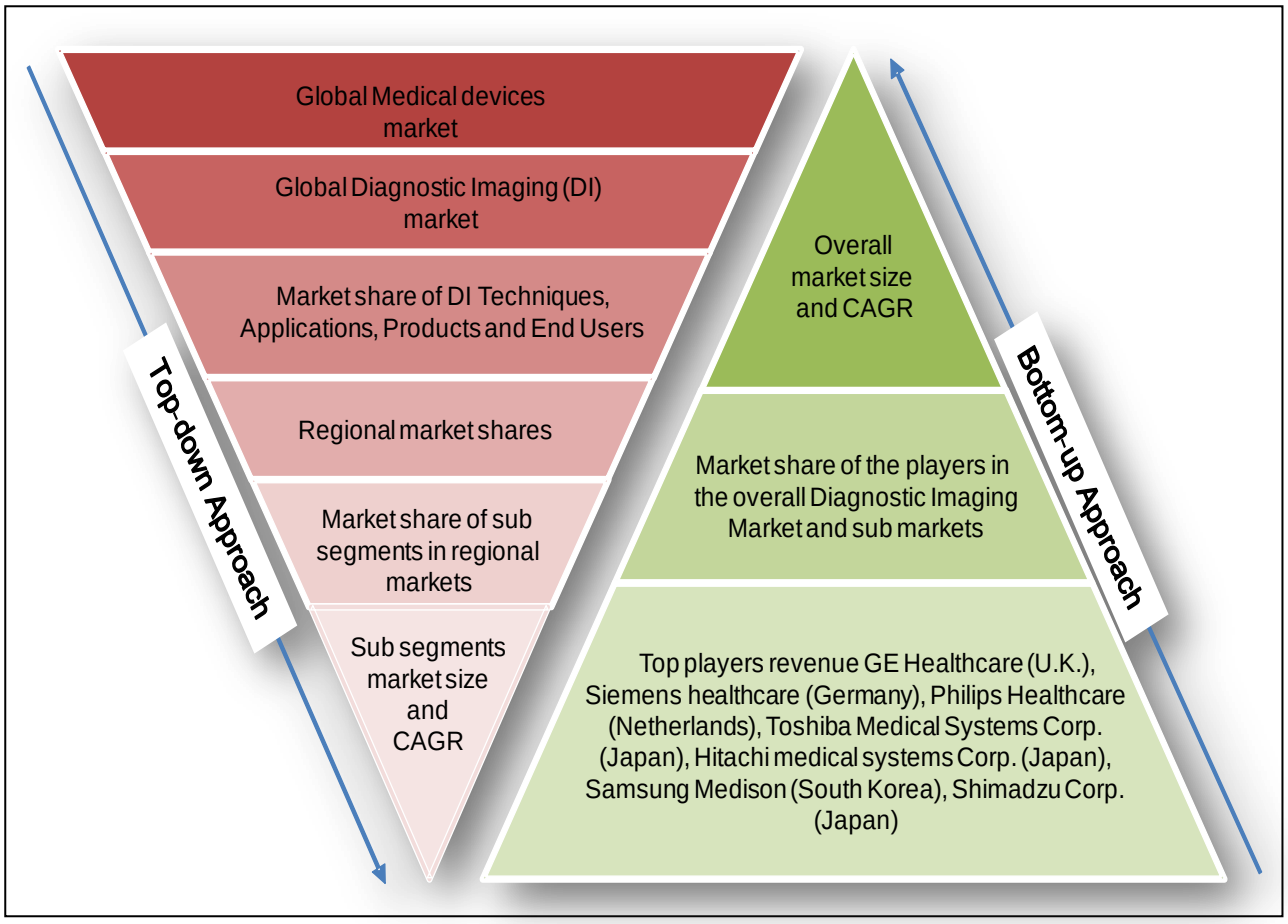
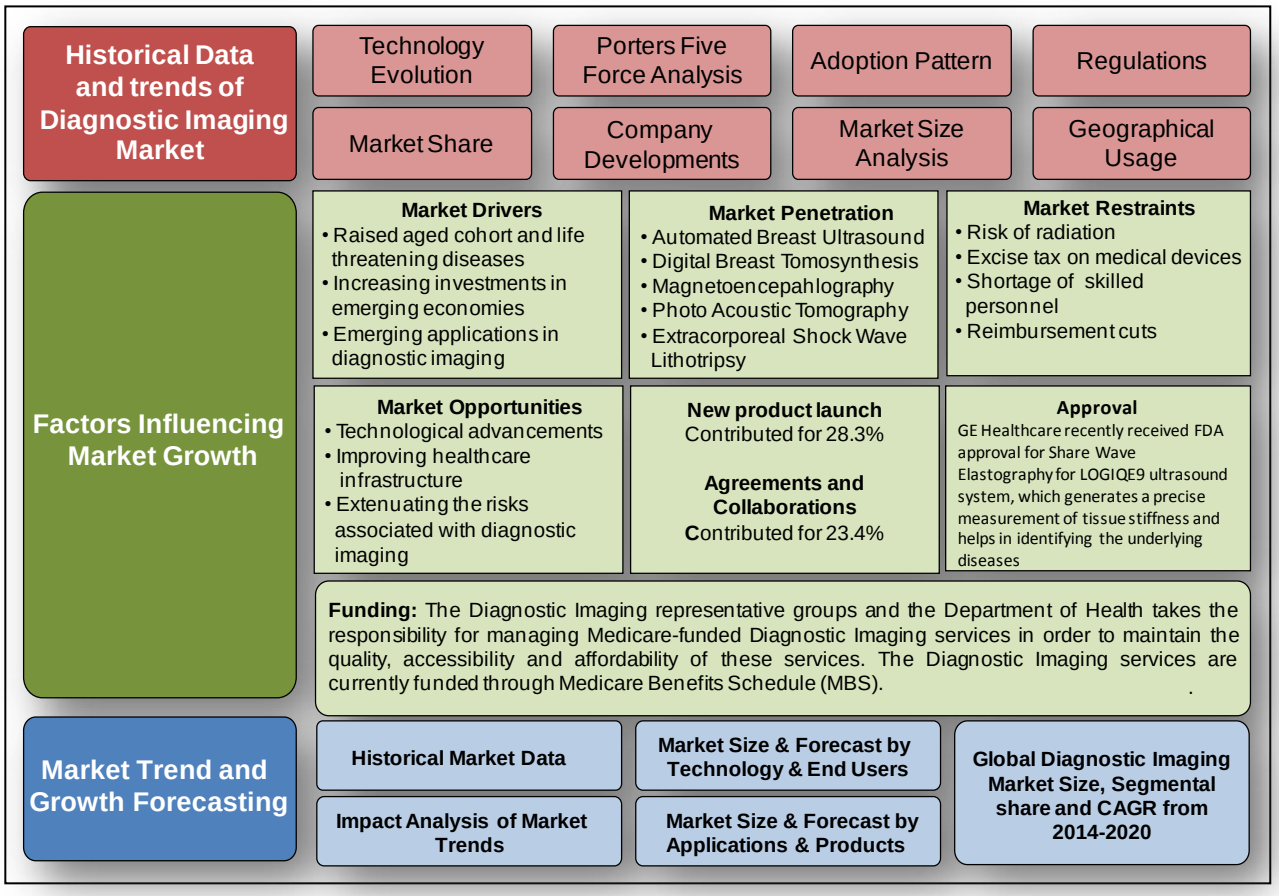


FIGURE 7

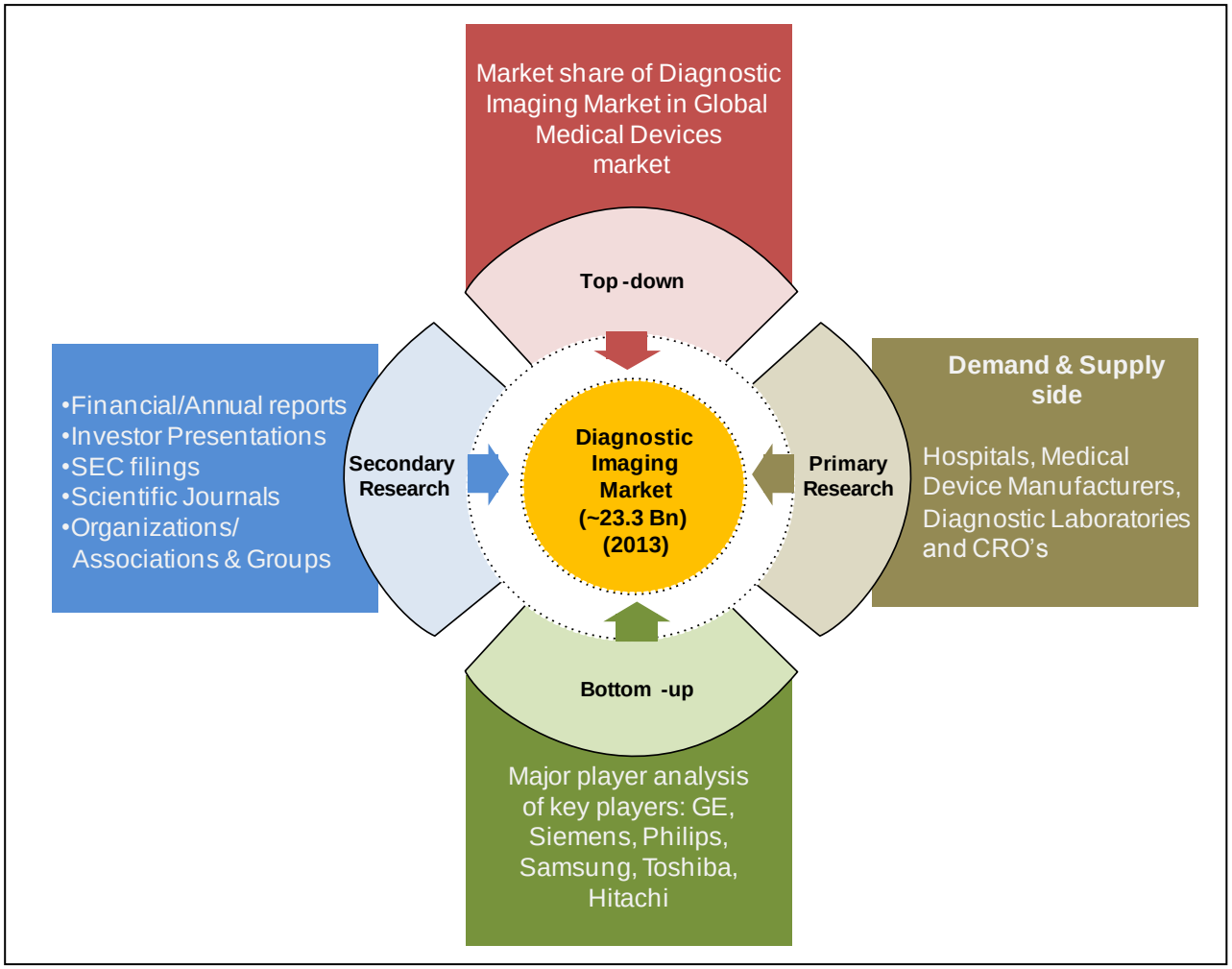
DIAGNOSTIC IMAGING MARKET: FORECASTING MODEL



1.2.3 MARKET BREAKDOWN & DATA TRIANGULATION

FIGURE 8

DIAGNOSTIC IMAGING MARKET: MARKET BREAKDOWN & DATA TRIANGULATION



Disclaimer: IQ4I strategic analysis services are limited publications containing valuable market information provided to a select group of customers in response to orders. Our customers acknowledge, when ordering, that IQ4I strategic analysis services are for our customers' internal use and not for general publication or disclosure to third parties. Quantitative market information is based primarily on interviews and therefore, is subject to fluctuation.

IQ4I does not endorse any vendor, product or service depicted in its research publications. IQ4I strategic analysis publications consist of the opinions of IQ4I' research and should not be construed as statements of fact. IQ4I disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

IQ4I takes no responsibility for any incorrect information supplied to us by manufacturers or users.

For information regarding permission, contact:

Tel: +91 80 60500229

Email: satish.birudukota@IQ4I.com