Machine Learning in Medical Imaging - World Market

2018 Edition

“The world market for AI image analysis software is poised for a period of robust growth and is forecast to top $2 billion by 2023. Despite some of the earlier market hype, it is becoming increasingly clear that AI will transform the diagnostic imaging industry, both in terms of improved diagnostic accuracy, better treatment planning and clinical outcomes, and increased productivity. AI will play a key role in enabling radiology departments to cope with the ever-increasing volume of diagnostic imaging procedures, despite the chronic shortage of radiologists in many countries.”

Simon Harris, Principal Analyst and Report Author

Report Author: Simon Harris, Principle Analyst

Simon has 24 years of experience in global technology market intelligence, having served as Executive Vice President at IMS Research and Senior Research Director for IHS Inc.’s Technology division. Whilst at IMS Research, he established the InMedica brand of market intelligence for the medical devices industry.
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Aidence  Aidoc
Artery  Balzano Informatik AG
behold.ai  Blackford Analysis
DEEPNOID Inc.  Densitas Inc.
Enlitic  EnvoyAI
HealthMyne  IBM Watson Health
icometrix  Inverness
iSchemaView  LPixel Inc.
MaxQ-AI  Median Technologies
Optellum  PereDoc Technology
Pixyl Medical  Podra
QUIBIM S.L.  Quantitative Insights
QView Medical  RADLogics
VIDA  Riverain Technologies
Viz.ai  ScreenPoint Medical
Volpara Solutions  Zebra Medical Vision
Vuno

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Machine Learning in Medical Imaging

Report Features

- Expert commentary on the market trends
- Primary research method ensures accuracy and reliability
- Direct access to the lead Analyst
- Highly data-centric, with numerous segmentations of the market
- Detailed analysis by application and by product to highlight growth opportunities
- Robust forecasts driven by proprietary database of hospital infrastructure
- Worldwide coverage with detailed country-level analysis
- Actionable, jargon-free analyst insight and opinion

Report Content

Market metrics are presented for the period 2017 to 2023.

The report is primarily organised by clinical application, with dedicated chapters for the following:

- Breast
- Lung
- Neurology
- Cardiovascular
- Liver
- Prostate
- Colon
- Musculoskeletal
- Rest of the Body

For each clinical application, the market is segmented by product category:
- Computer Aided Detection
- Quantitative Imaging Tools
- Decision Support Tools
- Computer Aided Diagnosis

For each clinical application, the market is segmented by region:

EMEA
- Benelux
- France
- DACH
- Nordics
- Southern Europe
- UK & Eire
- Middle East & Africa
- Eastern Europe

Asia
- China
- Japan
- Oceania
- Rest of Asia

Americas
- Canada
- Brazil
- Rest of Latin America

For each clinical application, the market is segmented by modality:
- Mammography / X-Ray
- CT
- Other Modalities
- Ultrasound
- MRI

The total market is segmented by deployment model:
- On premise
- Cloud

The total market is segmented by algorithm:
- Deep Learning
- Other Types

Each product category is further segmented by licensing model:
- Perpetual licence
- Subscription licence
- Fee per study

All market metrics are presented in:
- Revenues
- Annual Installations
- Installed Base
- Average Install Price
Machine Learning in Medical Imaging

Report Overview

Market

- Identify the products and clinical application markets driving growth
- Review how the market drivers and barriers have changed over the last 12 months
- Quantitative analysis of market size and forecast growth

Competition

- Market share estimates for the leading vendors
- Detailed profiles of innovative and leading vendors, with SWOT analysis for each
- Identify potential partners and acquisition targets

Technology

- Market analysis for Detection, Quantification, Decision Support and Diagnosis products
- Impact of advanced machine learning and deep learning
- Analysis by modality into MRI, CT, Ultrasound and X-ray / FFDM / DBT

Strategy

- Review of go-to-market strategies
- Analysis and insights to support your strategy planning
- Product pricing and software licensing strategies

Deliverables

Market Data
Each clinical application segmented by product, licencing model, modality and country with 5 year forecasts.
Data presented in revenues, unit shipments, installed base and average price.

Competitive Landscape
Vendor market shares for each clinical application.
Detailed profiles of leading and innovative market players including SWOT analyses.

Analyst Commentary
Expert insights on product, business model, country, and application trends.
Explanation of the assumptions behind the forecasts along with “Our Take” on key issues.

Report Resources
PDF report format and interactive Excel database that enables you to build your own views of the market data by selecting specific product, application and regional categories. Includes all static tables and figures. Accompanying Powerpoint executive summary.
Machine Learning in Medical Imaging

Research Method

Scope research with industry stakeholders
Talk with industry stakeholders to understand their information needs
Issue proposed research agenda and invite customers to take Advance Purchase option

Interview technology vendors
Evaluate supply to the market and the trends that will impact growth
Strong focus on collecting sales, shipments and pricing data

Interview healthcare providers
Conduct in-depth interviews with healthcare professionals across W. Europe and the US
Strong focus on open-ended and probing questions

Healthcare infrastructure database
Leverage Signify Research's proprietary database of key metrics on national healthcare systems
Allows for the impact of macro-economic and health infrastructure trends to be monitored

Collate secondary research
Supplement primary research with a variety of secondary research sources
Company news and financial information, economic data, conference proceedings, etc.

Review preliminary data with Advance Purchasers
Send preliminary market data to customers for review, as quality control measure
Refine market size estimates and growth forecasts based on feedback

Ongoing Analyst support
Q&A session to highlight the key findings of the research and to answer customer questions
Ongoing support to help customers stay informed of latest market developments

Sample Tables and Figures

Table 2.1
AI-Based Image Analysis Software - Product Category - World

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Source: Signify Research

Figure 2.3b
AI-Based Image Analysis Software - Average Prices - World

Average Subscription Revenue per Customer ($)

Average CapEx Install Price ($)

Source: Signify Research

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About Signify Research

At Signify Research we are passionately curious about Healthcare Technology and we strive to deliver the most robust market data and insights, to help our customers make the right strategic decisions. We blend primary data collected from in-depth interviews with technology vendors and healthcare professionals, to provide a balanced and complete view of the market trends.

Whether our research is delivered as an off-the-shelf report or as a consultancy project, our customers benefit from direct access to our Analyst team for an expert opinion when they need it. We encourage our clients to think of us as an extension to their in-house market intelligence team.

Our major coverage areas are Healthcare IT, Medical Imaging and Digital Health. In each of our coverage areas, we offer a full suite of products including Market Reports, Market Intelligence Services, as well as Custom Research and Consultancy services. Clients include technology vendors, healthcare providers and payers, management consultants and investors.

“We recently purchased one of Signify Research’s reports. We felt we can trust the insights they provided to make informed strategic decisions.” – Vera Borislavova, Global Customer & Market Insight Business Partner, GE Healthcare

“Signify Research's greatest strengths are its subject matter expertise and deep understanding of the industry.” – Ken Sutherland, President, Toshiba Medical Visualization Systems Europe

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