

Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market Projected to Reach \$3.39 Bn 31.9% CAGR by 2029

The Business Research Company's Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Global Market Report 2025 – Market Size And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The

Expected Cagr For The [Artificial Intelligence \(AI\)-Powered Dermatology Lesion Triaging Market Through 2025?](#)

The market size of the dermatology lesion triaging sector, powered by artificial intelligence (AI), has seen exponential growth in the past few years. The market is projected to climb from \$0.85

billion in 2024 to \$1.12 billion in 2025, exhibiting a compound annual growth rate (CAGR) of 32.3%. The notable growth during the historic period can be credited to factors such as increased utilization of mobile health apps, a burgeoning telemedicine framework, the need for speedier and more precise diagnoses, the proliferation of dermatology clinics, as well as heightened awareness about skin health and preventive measures.



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A significant surge is anticipated in the artificial intelligence (AI)-driven dermatology lesion diagnosing market in the

coming years, with projections indicating a rise to \$3.40 billion by 2029 at a compound annual growth rate (CAGR) of 31.9%. The uplift in this projected period can be credited to the increasing occurrence of skin cancer, heightened consciousness about early detection, appetite for individualized medicine, the escalating incorporation of digital solutions in healthcare, and burgeoning investments in healthcare-oriented AI ventures. Significant future trends encompass enhancements in real-time lesion assessment, advances in prognostic dermatology algorithms, amalgamation of AI with electronic health records, progression in mobile-centric skin inspection tools, and forward-thinking approaches to personalized treatment suggestions.

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What Are The Key Factors Driving Growth In The Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market?

The escalating incidence of skin cancer is likely to fuel the expansion of the market for AI-powered dermatology lesion triage. Skin cancer is a condition marked by unregulated growth of anomalous skin cells, generally triggered by harm from the sun's ultraviolet rays or tanning beds. The surge in skin cancer is predominantly ascribed to excessive sun exposure, resulting in detrimental UV radiation impairing the DNA in skin cells. AI-enhanced dermatology lesion triage plays a pivotal role in combating skin cancer via the prompt and precise detection of suspicious skin anomalies. It curtails diagnostic lag by offering instantaneous risk evaluation, facilitates specialist recommendations, and aids in clinical decision-making, thereby ameliorating patient results. For instance, Cancer Australia, a government agency in Australia, reported approximately 8,257 fresh melanoma of the skin cases diagnosed in 2023, making up 2.6% of all cancer-related fatalities. Consequently, the escalating incidence of skin cancer is propelling the expansion of the market for AI-powered dermatology lesion triage.

What Are The Top Players Operating In The Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market?

Major players in the Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Global Market Report 2025 include:

- Proscia Inc.
- Aysa Hospitality
- SkinVision B.V.
- MetaOptima Technology Inc.
- SkinIO Inc.
- Skin Analytics Ltd.
- DermaSensor Inc.
- Dxcover Ltd.
- Skinive
- Legit.Health

What Are The Major Trends That Will Shape The Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market In The Future?

Leading firms in the market of AI-infused dermatology lesion triage are prioritising the development of revolutionary products like AI-fuelled imaging platforms with a goal to magnify diagnostic precision, boost early skin cancer diagnosis, and simplify clinical processes. AI-fuelled imaging platforms are integrative systems that utilize artificial intelligence-based algorithms to examine skin lesions, support real-time diagnosis, and help categorize cases following the degree of malignancy risk. For instance, Enspectra Health Inc., a health tech firm in the US, was

granted a breakthrough device designation by the Food and Drug Administration in June 2024 for their upcoming AI-based VIO Skin platform. This platform meshes reflectance confocal and multiphoton laser scanning microscopy to procure non-invasive, real-time cellular-level visuals of skin tissues. It also incorporates with VIO.ai NMSC, a computer-aided diagnosis and triage (CADx/CADt) software function, to identify lesions that are suspicious for basal cell carcinoma (BCC) and squamous cell carcinoma (SCC) within high-risk populations. This can help clinicians in their decision-making process and possibly diminish the number of unnecessary biopsies.

Comprehensive Segment-Wise Insights Into The Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market

The artificial intelligence (AI)-powered dermatology lesion triaging market covered in this report is segmented as

- 1) By Component: Software, Hardware, Services
- 2) By Deployment Mode: Cloud-Based, On-Premises
- 3) By Lesion Type: Benign, Malignant, Pre-Malignant
- 4) By Application: Skin Cancer Detection, Benign Lesion Identification, Teledermatology, Clinical Decision Support, Other Applications
- 5) By End-User: Hospitals, Dermatology Clinics, Diagnostic Centers, Research Institutes, Other End Users

Subsegments:

- 1) By Software: Image Analysis Software, Diagnostic Support Software, Cloud-Based Software, Mobile Application Software, Patient Management Software
- 2) By Hardware: Imaging Devices, Dermatoscopes, Cameras, Computers, Scanners
- 3) By Services: Consulting Services, Implementation Services, Training And Education Services, Maintenance And Support Services, Data Management Services

View the full artificial intelligence (ai)-powered dermatology lesion triaging market report:

<https://www.thebusinessresearchcompany.com/report/artificial-intelligence-ai-powered-dermatology-lesion-triaging-global-market-report>

Global Artificial Intelligence (AI)-Powered Dermatology Lesion Triaging Market - Regional Insights

In 2024, North America led the global market in AI-empowered dermatology lesion triaging, with a forecast of continued growth. The report encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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