

# **Radiation Detection In Medical and Healthcare Markets, 2014-2021**

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## **Abstracts**

Medical/healthcare is an established end-market for radiation detection equipment in many applications, and continues to drive improvements in and demand for radiology diagnostic systems. Radiography is one of the most important aspects of non-destructive testing (NDT), and is used in a wide variety of medical applications. The market for detectors has benefited from advancements in the science of radiology and from better understanding of device and diagnostic systems by medical professionals.

Despite some recent negative trends from reimbursement factors to macroeconomically sluggish growth in the U.S. and Europe, NanoMarkets remains encouraged by other positive trends. Radiotherapy procedures are on the rise; super-specialized hospitals in developed nations are building financial and resource infrastructure for radiation-induced treatments, particularly for cancer. Gamma scintillation and X-ray detectors are priority areas of growth. In developing economies, improvements in medicine and an aging population also are trends seen as favorable to radiation detection in a medical/healthcare context.

In this report, we explore the revenue potential for radiation detection in the two major application areas for medical and healthcare contexts: X-ray radiation detection and gamma radiation detection. We also analyze the products and marketing strategies of the leading suppliers of radiation detection equipment in the markets covered. This report includes granular eight-year forecasts (volume and value) broken out by device types and world region.

NanoMarkets believes that business development executives and product management professionals, investors, entrepreneurs involved with radiation detection equipment - especially those with an eye toward medical/healthcare contexts - will benefit from the

comprehensive analysis of radiation detection trends and technologies within this report.

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