

Electrophysiology (EP) Market Qualitative Insights on Application & Outlook by Share, Future Growth

EP market was valued at \$6.499 billion in 2020, and is estimated to reach \$22.651 billion by 2030, growing at a CAGR of 14.4% from 2021 to 2030

PORTLAND, OREGON, UNITED STATES, July 21, 2022 /EINPresswire.com/ -- Electrophysiology is defined as the branch of science that deals with the study of electrical pathway associated with heart nervous system.

Electrophysiology devices are designed to measure electric current or voltage change on a wide range of scale from single ion channel protein to organs such as heart. The [electrophysiology market](#) procedure is used to analyze heart's electrical system and to manage abnormal heart rhythms.



Global **ELECTROPHYSIOLOGY** Market
OPPORTUNITIES AND FORECAST, 2021-2030

Global Electrophysiology Market is projected to reach **\$22,651.4 Million** by 2030

Registering a **CAGR of 14.4%** (2021-2030)

electrophysiology (EP) market

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- ABBOTT LABORATORIES
- Biotronik SE & Co. KG
- BOSTON SCIENTIFIC CORPORATION
- CardioFocus, Inc.
- GE Healthcare
- Koninklijke Philips N.V.
- Johnson & Johnson Services, Inc.
- Medtronic plc. (Zephyr Technology Corporation)
- MICROPORT SCIENTIFIC CORPORATION
- Siemens Healthineers AG

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The COVID-19 outbreak is anticipated to have a negative impact on growth of the global electrophysiology market. Implementation of lockdown has delayed the ablation procedure; thereby, having a minimal negative impact on the market. The COVID-19 pandemic has stressed healthcare systems in the world and increased the need for advanced hospitals. Many hospitals across the globe, including cardiac centers were restructured to increase hospital capacity for patients diagnosed with COVID-19. This leads to cancellation of many non-essential surgical procedures and the quality of care toward patients other than COVID-19 decreases. This has significantly contributed to decline of the global market.

Factors that drive growth of the global electrophysiology market include rise in demand for catheter ablation procedure, advancements in technology in the medical device sector, and surge in demand for early diagnosis. In addition, rise in prevalence of cardiac arrhythmia such as atrial fibrillation, atrial flutter, and ventricular arrhythmia contributes toward growth of the global market. According to the International Journal of Stroke, in 2020, it was analyzed that atrial fibrillation is the most frequent cardiac arrhythmia. Ablation is the most common procedure for treatment of atrial fibrillation, which is expected to increase the need for electrophysiology devices, thus driving growth of the market.

Furthermore, market players are focused on manufacturing of different electrophysiology devices such as ablation catheter, diagnostic catheter, and 3D mapping system. For instance, in January 2022, Abbott laboratory, a pharmaceutical company, announced clearance from the Food and Drug Administrative (FDA) for its EnSite X EP system with EnSite omnipolar technology (OT), in the U.S. and Europe. It is a cardiac mapping platform, designed to help doctors for treatment of cardiac arrhythmia. Moreover, increase in number of geriatric populations and rise in prevalence of chronic conditions such as diabetics and hypertension, who are more prone to atrial fibrillation escalate the electrophysiology (EP) market growth. According to the Journal of J Arrhythm, in August 2021, it was reported that around 70% of population between the ages of 65 and 85 years were diagnosed with atrial fibrillation.

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Rise in number of approvals for medical devices is the key factor that further boost growth of the electrophysiology market. In addition, initiatives taken by governments and private organizations to spread knowledge among physicians regarding electrophysiology devices and procedures propel growth of the market.

The global electrophysiology market is segmented into product, indication, end user, and region. On the basis of product, the market is segregated into EP ablation catheters, EP laboratory devices, EP diagnostic catheters, access devices, and others. The EP ablation catheters segment is further subcategorized into cryoablation EP catheters, radiofrequency ablation catheters,

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