

# **South America Pediatric MRI Market Forecast to 2028 – Regional Analysis – by Type (Functional Brain MRI, Cardiac MRI, 4D MRI, and Others), Application (Neurology, Orthopedics, Cardiology, Oncology, and Others), Product Type [Equipment and Coil Design (Pediatric Head/Neck/Spine MRI Coil, Interchangeable Pediatric Brain Coil, Pediatric Blanket Coil, and Others)], Age Group [Adolescent (11-18 Years), Child (2-11 Years), Infants and Toddlers (28 Days-23 Months), Neonatal Stage (0-27 Days), and Fetal Stage], and End User (Hospitals, Pediatric Clinics, Diagnostic Centers, and Others)**

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## **Abstracts**

The South America pediatric MRI market was valued at US\$ 155.62 million in 2022 and is expected to reach US\$ 229.57 million by 2028; it is estimated to grow at a CAGR of 6.7% from 2022 to 2028.

Rising cases of traumatic injuries and bone defects in children fueling the South America Pediatric MRI Market

The rising prevalence of traumatic injuries and bone defects in children has heightened the importance of pediatric MRI as valuable diagnostic and monitoring tool in pediatric healthcare. Traumatic injuries, such as fractures, dislocations, and ligament tears, are common occurrences in childhood due to active play, sports, and everyday accidents.

Pediatric MRI plays a pivotal role in the accurate evaluation of these injuries. Unlike X-rays, which provide limited soft tissue information, MRI offers detailed images of both bones and the surrounding soft tissues. This is essential for comprehensive assessment, aiding in the diagnosis and determining the extent of injuries, which can be subtle in children. Furthermore, pediatric MRI is invaluable in assessing and monitoring bone defects. Congenital bone conditions, development disorders, and abnormalities can significantly impact a child's musculoskeletal system. MRI enables clinicians to examine these conditions in a non-invasive manner. It's particularly vital for identifying growth plate injuries in children, which can have long-term implications for bone development. Additionally, pediatric MRI is instrumental in post-injury or post-operative monitoring. It helps healthcare providers assess the healing process and recovery, ensuring that the bones and soft tissues are regenerating correctly. The non-invasive nature of MRI is particularly advantageous in pediatrics, as it minimizes the need for repeated invasive procedures.

## South America Pediatric MRI Market Overview

South America region for the estimating the market for the pediatric MRI consist of countries such as Brazil, Argentina, and the Rest of South America. The region held smallest portion of the market in the global analysis. The market is likely to propel owing to the recent technological developments which have made a direct impact on the economy of Brazil that has advanced to a large extent. The cost savings advantage and higher work efficiencies achieved are cited as the major attracting points for manufacturing companies to establish bases in South America.

## South America Pediatric MRI Market Revenue and Forecast to 2028 (US\$ Million)

### South America Pediatric MRI Market Segmentation

The South America pediatric MRI market is segmented based on type, application, product type, age group, end user, and country. Based on type, the South America pediatric MRI market is segmented into functional brain MRI, cardiac MRI, 4D MRI, and others. The functional brain MRI segment held the largest market share in 2022.

Based on application, the South America pediatric MRI market is segmented into neurology, orthopedics, cardiology, oncology, and others. The neurology segment held the largest market share in 2022.

Based on product type, the South America pediatric MRI market is bifurcated into

equipment and coil design. The equipment segment held a larger market share in 2022.

Based on age group, the South America pediatric MRI market is segmented into adolescent (11-18 Years), child (2-11 Years), infants and toddlers (28 Days-23 Months), neonatal stage (0-27 Days), and fetal stage. The adolescent (11-18 Years) segment held the largest market share in 2022.

Based on end user, the South America pediatric MRI market is segmented into hospitals, pediatric clinics, diagnostic centers, and others. The hospitals segment held the largest market share in 2022.

Based on country, the South America pediatric MRI market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the South America pediatric MRI market share in 2022.

GE HealthCare Technologies Inc; Koninklijke Philips NV; LMT Medical Systems GmbH; and Siemens Healthineers AG are the some of the leading players operating in the South America pediatric MRI market.

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