nagarro

Healthcare IoT (IoMT)
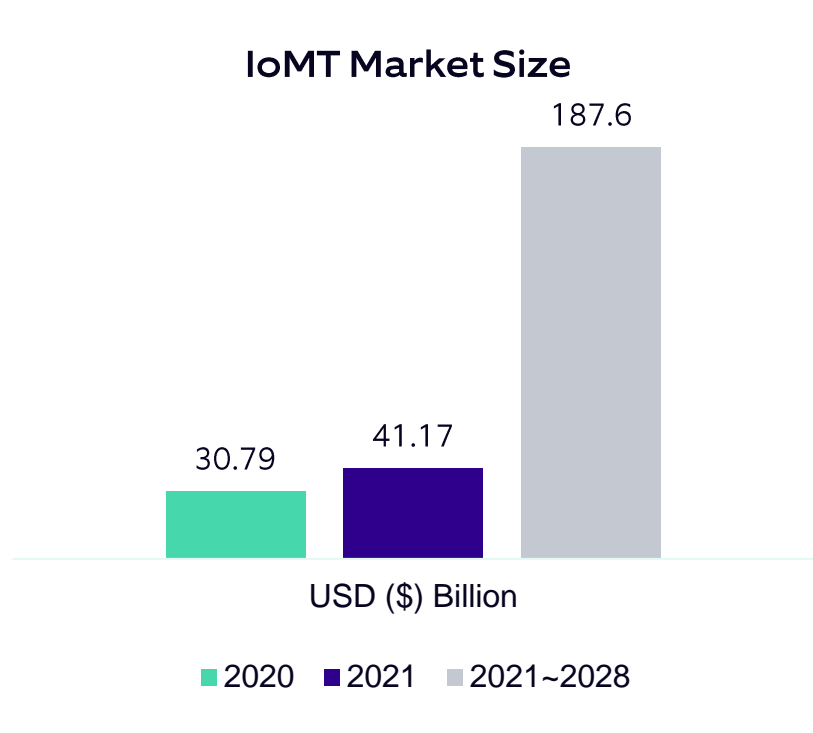
August 2022

Thinking Breakthroughs

IoMT market size

IoMT market to reach 187.60 Billion USD by 2028
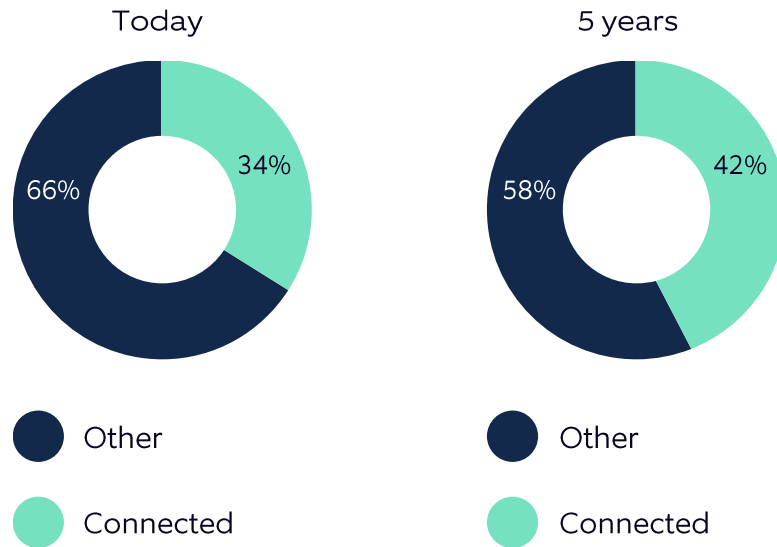
IoMT Market Size

- 187.6
- 41.17
- 30.79

USD ($) Billion

■ 2020 ■ 2021 ■ 2021~2028

Significant IoMT market growth predicted

North America
from $13 billion
to $45 billion

South America
from $2 billion
to $9 billion

Middle East & Africa
from $2 billion to $9 billion

Europe
from $12 billion
to $44 billion

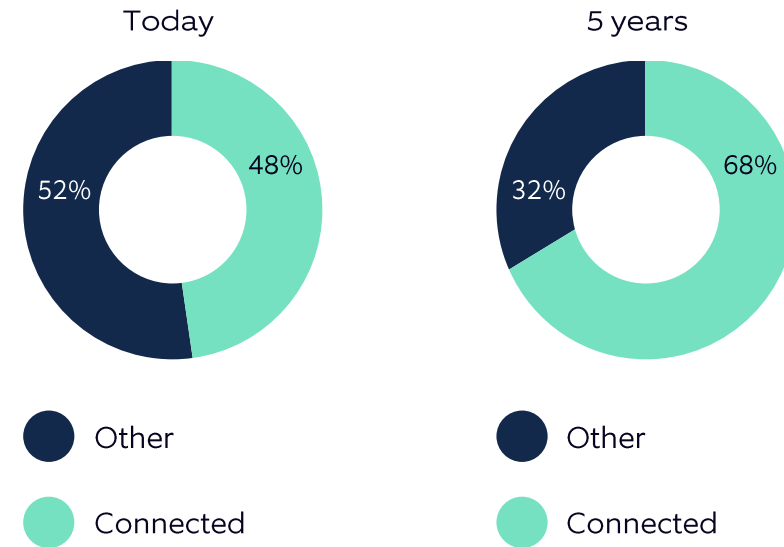**Asia-Pacific**
from $11 billion
to $51 billion

Projected R&D budgets & percentage of IoMT devices

Estimated R&D budget allocation towards the development of connected medical technologies today and 5 years' time.

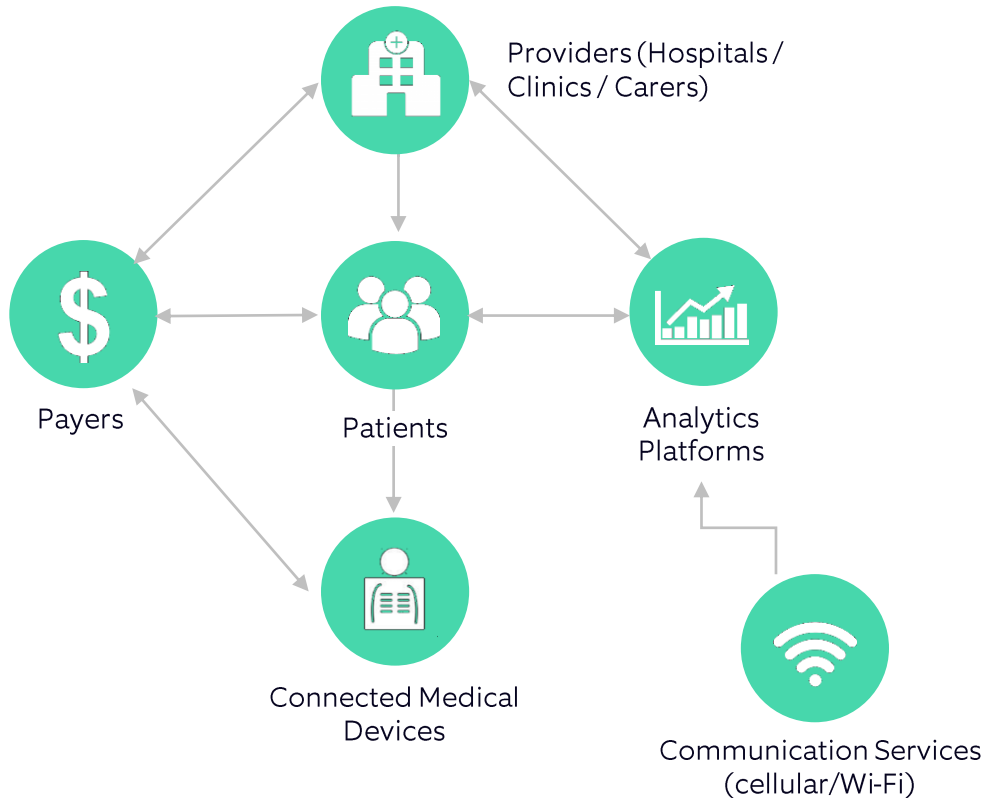**Estimated percentage of connected medical devices today and in 5 years' time.**

Today	5 years
66% / 34%	58% / 42%

- ● Other
- ● Connected

Today	5 years
52% / 48%	32% / 68%

- ● Other
- ● Connected

Segmentation of IoMT

By Product	• Stationary Medical Devices • Implanted Medical Devices • Wearable External Medical Devices
By Application	• Telemedicine • Medication Management • Remote Patient Monitoring
By End User	• Healthcare Providers • Patients • Government Authorities • Others

Convergence of Medical Devices with health information technologies is transforming patient health

Connected Medical Device Collaborations

Key Enablers driving Connected Medical Device Success

Integrating connected medical devices allow all stakeholders to improve their understanding of patient needs and deliver more proactive, cost-effective care.

Linking disparate sets of data within healthcare organizations is central to achieving connectivity at scale and offering better clinical outcomes.

Developing service orientated solutions that provide the tenants of Value Based Care.

Applying advanced analytics to the data generated from this connected environment will help in delivering critical insights and better decision-making.

Key challenges

Interoperability

Regulatory compliance

Adoption/Scale

Emergency medical care

Maintaining trust in a digital age

Sample Use cases of IoMT

Use cases of IoMT in Hospitals/Providers
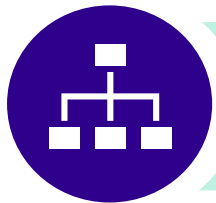
Remote patient monitoring

Emergency medical care

Predictive healthcare

Patient flow management

Asset management

Use cases of IoMT for Patients

Telemedicine

Remote patient monitoring

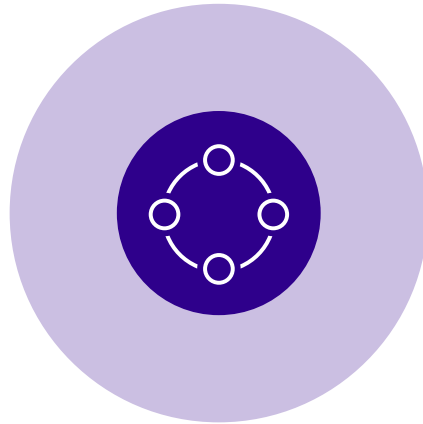Disease management

Timely and accurate diagnosis

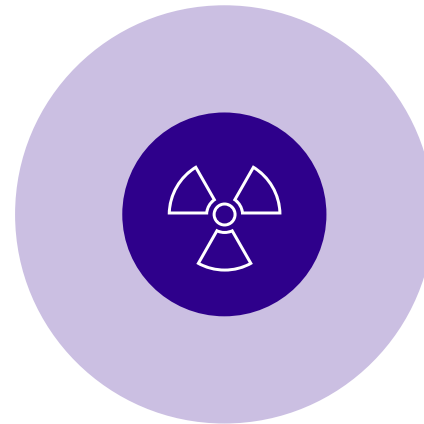Smart devices to administer medications
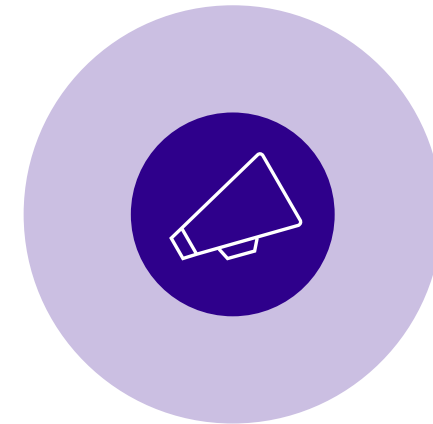
Patient engagement and wellbeing

Use cases of IoMT in Insurance companies/Payers

Insurers can identify which medical processes might be best for individual patients, minimizing the extent and cost of unneeded exploratory procedures.

Medical insurance companies more accurately determine risks, which aids in underwriting and claims. The IoMT also empowers health insurance providers to permit telemedicine and virtual visits.

The IoT accelerates claims processing. Typical claims are routed through many entities for payment, including government, providers, and patients. Keeping track of claims throughout the process expedites payment.

Our Success Stories

We support sophisticated globally operating companies in biotech, pharma, diagnostics and healthcare as a global IT services and innovation partner.

Digital platform to assist doctors for healthcare practice, learning and networking

Business need

The client sought to build a practice management app with audio, video & chat options integrated with Patient Data Management. The goal? To simplify healthcare practice by bringing all essential requirements from learning to telemedicine and clinic management to patient management in one app.

Solution

- All in one platform to cater to the doctor's needs - from knowledge to practice, consultations, scheduling, general news/updates, and much more.

- Next-generation practice management for consulting walk-in as well as distant patients. Virtual clinic to connect with patients via exclusive link.

- Personalized and exclusive access to content categories, journals, eBooks, and webinars, across specialties curated by Therapy experts.

- Full security and ownership of data, a strict privacy policy, and in complete compliance with laws and regulations.

- Integrates the notification engine to broadcast/send user notifications about upcoming appointments, new content, events etc.

- Social Connect for Doctors - Engage and build your brand in the medical community.

- Gamification - Gather points, gain levels, and earn badges for your activity on the platform.

Benefits

- "One Stop" platform for doctors for practice management, virtual clinic set up, learning and socializing.

- Social connect, gamification, ML driven personalization for doctor engagement.

Telehealth platform for patient monitoring and remote care management

Business need

The client was seeking to develop a platform that could monitor patients' health regularly and provide solutions that could substantially improve the quality of doctor visits and treatment.
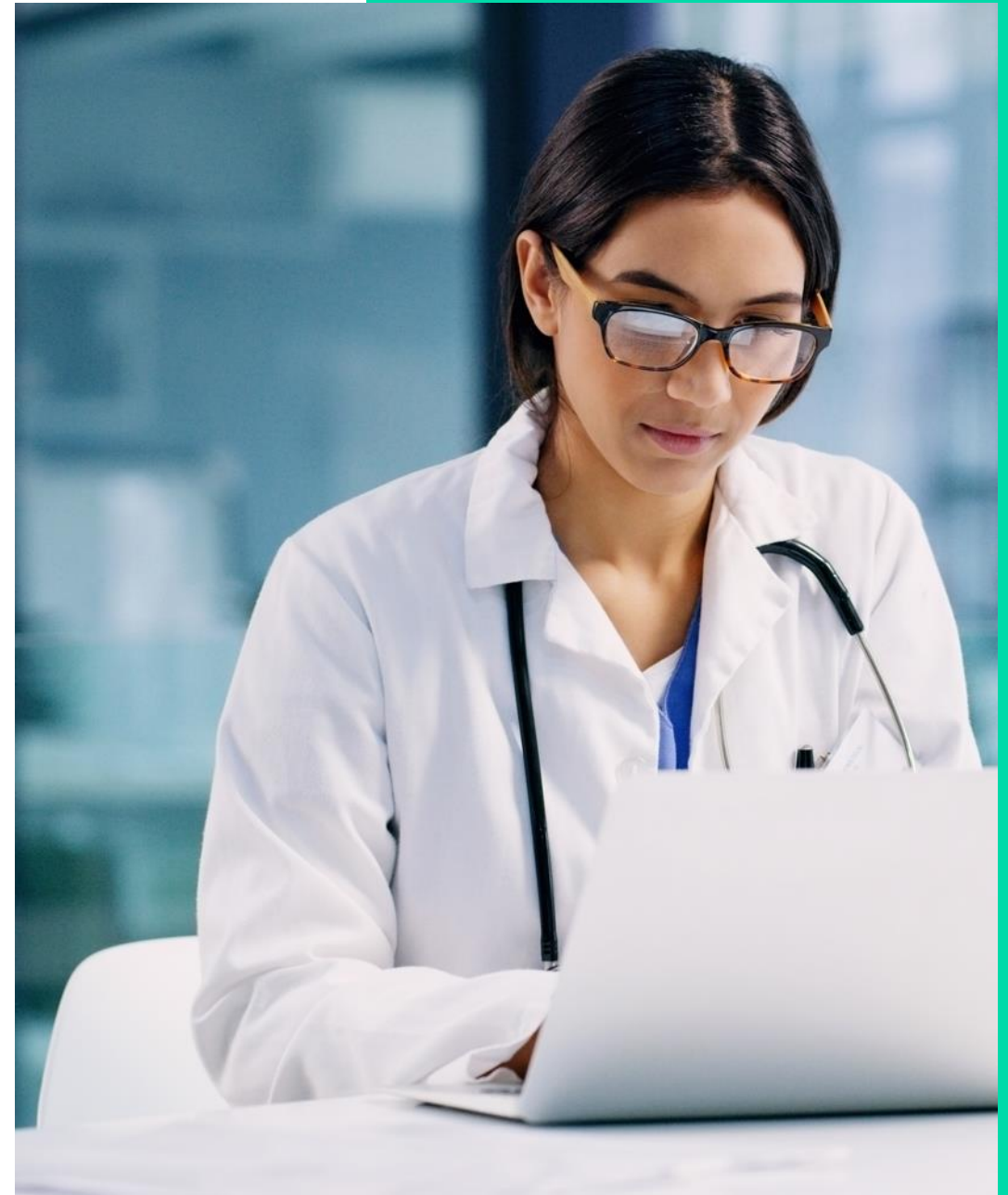
Solution

Nagarro developed a comprehensive patient care and wellness management system. The platform offers:

• The ability to configure personalized healthcare plans.

• Personalized health management calendar for patients, care coordinators and physicians.

• Smart monitoring and medical parameter/compliance data capture via wireless devices and self inputs on an easy-to-use mobile app.

• Personalized health alerts, feedback, and collaboration between patients, caregivers and physicians.

• Analytics and insights to correlate interventions with patient outcomes.

Benefits

The client benefited from increased membership of families, doctors and corporates.

Thank you!