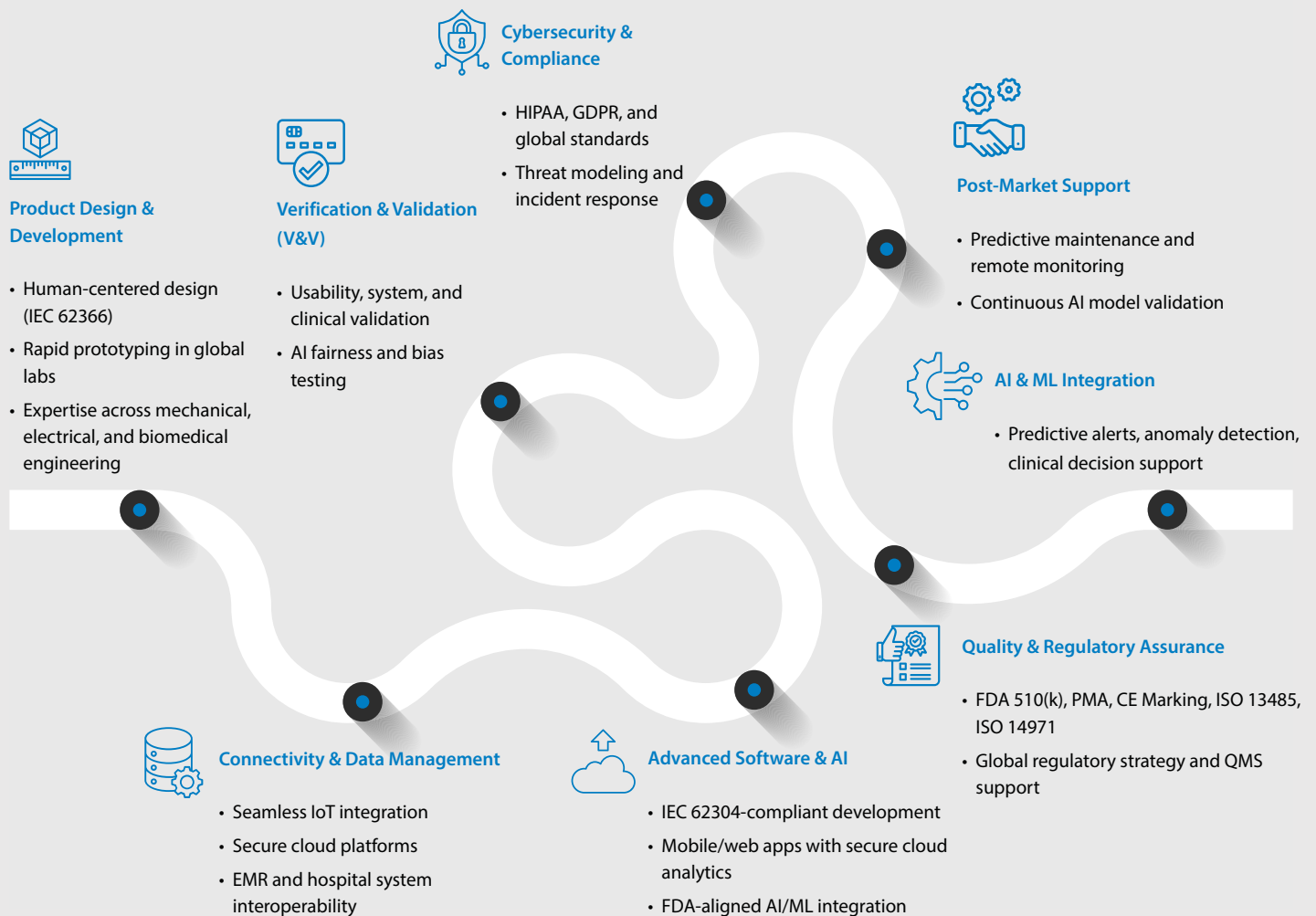# POWERING THE FUTURE OF HEALTHCARE WITH CONNECTED DEVICES

Infosys empowers healthcare organizations to deliver smarter, safer, and more connected care through next-generation medical devices. From hospital bedsides to patients' homes, our solutions are designed to improve lives—enhancing outcomes, ensuring compliance, and accelerating innovation.

Smarter Devices for Every Care Setting

Care Setting	Key Solutions
At-Home Care	Remote monitoring, medication adherence, chronic disease management, patient-reported outcomes
In-Hospital Care	Bedside diagnostics, point-of-care systems, smart device integration with hospital IT systems

Our Core Capabilities

Product Design & Development

- Human-centered design (IEC 62366)
- Rapid prototyping in global labs
- Expertise across mechanical, electrical, and biomedical engineering

Verification & Validation (V&V)

- Usability, system, and clinical validation
- AI fairness and bias testing

Cybersecurity & Compliance

- HIPAA, GDPR, and global standards
- Threat modeling and incident response

Post-Market Support

- Predictive maintenance and remote monitoring
- Continuous AI model validation

AI & ML Integration

- Predictive alerts, anomaly detection, clinical decision support

Connectivity & Data Management

- Seamless IoT integration
- Secure cloud platforms
- EMR and hospital system interoperability

Advanced Software & AI

- IEC 62304-compliant development
- Mobile/web apps with secure cloud analytics
- FDA-aligned AI/ML integration

Quality & Regulatory Assurance

- FDA 510(k), PMA, CE Marking, ISO 13485, ISO 14971
- Global regulatory strategy and QMS support

Why Infosys?

Proven Track Record

- 15+ years in healthcare innovation
- Partner to 8 of the top 10 global med device manufacturers
- Expertise across Class I, II, and III devices

Innovation-Driven Approach

- In-house labs in the US and India
- Human Factors Engineering for intuitive design
- Agile and DevSecOps for rapid, secure delivery

Global Ecosystem

- Strategic alliances with AWS, Microsoft, Google, IBM, PTC
- Collaborations with hospitals, research institutions, and testing labs
- Partnerships with Nordic, ST, Qualcomm, NXP for wireless and sensor tech

Our Labs & Test Infrastructure

UX & Human Factors Lab:
Simulated clinical environments

Wireless Lab:
BLE, 5G, NB-IoT, Wi-Fi 6 testbeds

Cybersecurity Lab:
Pen testing, secure OTA updates

Prototyping Facility:
3D printing, clinical-grade materials

Compliance Lab:
IEC/ISO validation workflows

Success Stories That Deliver Impact

Reducing Hospitalizations Through Remote Monitoring
Enabled real-time BLE-based monitoring for heart failure patients, improving intervention timing and outcomes.

Empowering Diabetes Management
Built a mobile-first platform with coaching support, helping patients manage lifestyle and medication adherence.

Accelerating Cloud Transformation in Radiology
Migrated a dose management system to a multi-tenant cloud, reducing onboarding time and operational costs.

Enhancing Lab Efficiency with Remote Monitoring
Developed a scalable platform for real-time biopsy tissue monitoring, improving diagnostics and device uptime.

For more information, contact askus@infosys.com

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