

# IEEE eHealth Standards Collection

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The eHealth environment emerging around the globe is predicated on standards-based interoperability of multi-vendor technology, and enables multi-vendor systems and applications to speak the same language.

Healthcare providers are then able to cost-effectively source the disparate array of standards-based technologies that their patients need without limitations on how information is shared across the end-to-end infrastructure.

The IEEE eHealth Standards Collection, brought to you via the IEEE *Xplore* digital library, is a portfolio of standards related to medical device communications, security, wireless networking, measurement, and electrical systems standards.

IEEE eHealth Standards offer best practices on:

- Interoperability—Making systems and organizations able to work together (information exchange)
- Cost Savings/Efficiency—Hospitals must streamline processes and lower costs and error rates while increasing efficiency and quality of care to stay in business
- Patient Privacy/Security/Reliability—Devices must utilize proper message wrapping techniques to protect the privacy of the patient

These standards can help save lives and improve quality of life for people worldwide.

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## Who could benefit from access to IEEE eHealth Standards?

Corporate and government markets

- Hospitals, healthcare facilities, medical device manufacturers
- Installation companies
- Healthcare software companies

Healthcare professionals

- Physicians
- Healthcare IT integrators
- Telemedicine and mobile healthcare providers

Consumers—at home application, manufacturers

Point of Care (clinical environment—hospital, physician's office, care facility)

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# IEEE eHealth Standards Collection: Delivered through the IEEE *Xplore*<sup>®</sup> Digital Library

## IEEE eHealth Standards Collection

More than 235 standards are available, including:

- **11073-20702**—Health Informatics—Point-of-Care Medical Device Communication Part 20702: Medical Devices Communication Profile for Web Services
- **11073-10101a**—Health Informatics—Point-of-Care Medical Device Communication—Nomenclature Amendment for Additional Definitions
- **11073-10427**—Health Informatics—Personal Health Device Communication—Device Specialization—Power Status Monitor of Personal Health Devices
- **802.15.4t**—IEEE Standard for Low-Rate Wireless Networks—Amendment 4: Higher Rate (2 Mb/S) Physical (PHY) Layer
- **802.15.4v**—IEEE Standard for Low-Rate Wireless Networks—Amendment 5: Enabling/Updating the Use of Regional Sub-Ghz Bands

The IEEE eHealth Standards Collection delivers key benefits for your research team:

- Access to new and revised standards, including draft standards
- Increased productivity by having all your standards in one place
- Real-time updates to the most vital standards in your industry
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IEEE has many standards in health technology designed to help healthcare vendors and integrators create devices and systems for:

- Disease Management
- Fitness Tracking
- Health Monitoring
- Independent Living

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