

Enabling safe, high-quality health care delivery, IEEE Health Informatics/Medical Devices Communication Standards provide the interconnection and interoperation of medical devices with computerized healthcare information systems in a way that is suitable for a clinical environment.

This family of standards provides real-time plug-and-play interoperability and facilitates the efficient exchange of vital signs and medical device data acquired at the point-of-care.

Grouped into three categories, these standards support:

- Semantic interoperability, which focuses on terminologies, data models, and data sets for specific device modalities, such as, ventilators, patient vital signs monitors, and infusion pumps,
- Application interoperability, which identifies a set of general services that can be used by all systems to discover, configure, and exchange data across a connection, and
- Lower layer transport technologies.

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Includes 31 active IEEE standards in the Health Informatics/Medical Device Communication family:

- 11073-00101-2008 Health informatics--PoC medical device communication Part 00101: Guide--Guidelines for the use of RF wireless technology
- 11073-00103-2012 Health informatics - Personal health device communication Part 00103: Overview
- 11073-10101-2004 Health informatics -- Point-of-care medical device communication -- Part 10101: Nomenclature
- 11073-10101a-2015 Health informatics--Point-of-care medical device communication --Part 10101: Nomenclature Amendment 1: Additional Definitions
- 11073-10102-2012 Health informatics Point-of-care medical device communication Part 10102: Nomenclature Annotated ECG
- 11073-10103-2012 Health informatics--Point-of-care medical device communication Part 10103: Nomenclature--Implantable device, cardiac
- 11073-10201-2004 Health informatics - Point-of-care medical device communication - Domain information model
- 11073-10404-2010 Health informatics -- Personal health device communication -- Part 10404: Device specialization -- Pulse oximeter
- 11073-10406-2011 Health informatics--Personal health device communication Part 10406: Device specialization--Basic electrocardiograph (ECG) (1- to 3-lead ECG)
- 11073-10407-2008 Health Informatics - Personal Health Device Communication - Device Specialization - Blood Pressure Monitor
- 11073-10408-2010 ISO/IEEE Health Informatics Personal health device communication Part 10408: Device specialization Thermometer
- 11073-10415-2010 ISO/IEEE Health informatics--Personal health device communication--Part 10415: Device specialization--Weighing scale
- 11073-10417-2015 IEEE Health informatics -- Personal health device communication Part 10417: Device Specialization -- Glucose Meter

- 11073-10418-2011 Health informatics--Personal health device communication Part 10418: Device specialization--International Normalized Ratio (INR) monitor
- 11073-10418-2011/Cor 1 -2015 IEEE Health informatics--Personal health device communication Part 10418: Device specialization--International Normalized Ratio (INR) monitor - Corrigendum 1
- 11073-10419-2015 IEEE Health informatics- Personal health device communication- Part 10419: Device Specialization- Insulin Pump
- 11073-10420-2010 IEEE Health informatics -- Personal health device communication Part 10420: Device specialization -- Body composition analyzer
- 11073-10421-2010 Health informatics--Personal health device communication Part 10421: Device specialization--Peak expiratory flow monitor (peak flow)
- 11073-10422-2016 Health informatics--Personal health device communication Part 10422: Device Specialization--Urine Analyzer
- 11073-10424-2014 Health informatics--Personal health device communication - Part 10424: Device Specialization--Sleep Apnoea Breathing Therapy Equipment (SABTE)
- 11073-10425-2014 Health informatics--Personal health device communication - Part 10425: Device Specialization--Continuous Glucose Monitor (CGM)
- 11073-10441-2013 Health Informatics--Personal health device communication Part 10441: Device specialization--Cardiovascular fitness and activity monitor
- 11073-10442-2008 Health informatics - Personal health device communication Part 10442: Device specialization - Strength fitness equipment
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- 11073-20601-2014 IEEE Health informatics--Personal health device communication - Part 20601: Application profile- Optimized Exchange Protocol
- 11073-20601-2014/Cor-1-2015 IEEE Health informatics--Personal health device communication Part 20601: Application profile--Optimized Exchange Protocol - Corrigendum 1
- 11073-30200-2004 (R2010) ISO/IEEE Standard for Health informatics - Point-of-care medical device communication - Transport profile - Cable connected
- 11073-30200a-2011 Health informatics--Point-of-care medical device communication Part 30200: Transport profile--Cable connected Amendment 1
- 11073-30300-2004 Health informatics - Point-of-care medical device communication - Transport profile - Infrared
- 11073-30400-2010 IEEE Health informatics--Point-of-care medical device communication Part 30400: Interface profile--Cabled Ethernet