



# ABSTRACT CATEGORIES

## CATEGORY

## DESCRIPTION

### 1 ARTIFICIAL INTELLIGENCE AND ANALYTICS

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|--|--|
| 1.1 Artificial intelligence and machine learning | Use of artificial intelligence and machine learning in healthcare.                                 |
| 1.2 Robotics                                     | Use of robotics in healthcare.   |
| 1.3 Personalised medicine                        | Technologies for personalised medicine.  |
| 1.4 Big data                                     | Large and complex data sets analysed computationally to reveal patterns, trends, and associations. |

### 2 DEVICES

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|--------------------------------|--|
| 2.1 Active implantable devices | Devices powered by implants or partial implants that are left in the human body. |
| 2.2 In-vitro diagnostics       | Tests performed on samples that have been taken from the human body.             |

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2.3 Sensor technology	Use of sensor technology in healthcare.
2.4 Virtual and augmented reality	Virtual and augmented reality used for medical purposes, including gamification.
2.5 Medical imaging and diagnostics	Technologies used for medical imaging and diagnostics.
2.6 Assistive technology	Devices or systems that support a person to maintain or improve their independence, safety, and wellbeing.
2.7 3D printing	Medical devices produced by 3D printing.

## 3 DIGITAL HEALTH

3.1 mHealth	Remote monitoring and early warning systems using mobile applications, digital platforms, and/or wearables.
3.2 Telehealth	Use of telecommunications and virtual technology to deliver health care outside of traditional healthcare settings.
3.3 E-prescribing	Use of digital platforms to monitor and dispense medication.

## 4 INFORMATION TECHNOLOGY

4.1 Health informatics	Information technology systems used to collect, store, manage, and organise clinical, nonclinical, and administrative data.
4.2 Interoperability	Ability of health informatics to work together within and across organisational boundaries.
4.3 Cyber security	Protection of health informatics from attack, damage, or unauthorised access.

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## DESCRIPTION

### 5 PATIENT INVOLVEMENT AND CO-DESIGN

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|---|---|
| 5.1 Patient and public involvement and engagement | Involvement of patients and the public in research.   |
| 5.2 Co-design and co-production                   | Partnership with stakeholders throughout the design process..   |
| 5.3 Dissemination and public awareness            | Dissemination and increasing awareness of commercially available medical technology to patients and the public. |

### 6 FRUGAL INNOVATION

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|---|--|
| 6.1 Frugal design                           | Innovations that reduce the complexity and cost of a product.              |
| 6.2 Frugal production                       | Manufacturing processes that reduce the complexity and cost of production. |
| 6.3 Other applications of frugal innovation | Other frugal innovations.  |

### 7 OTHER

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|----------------------------|--|
| 7.1 Other (please specify) | Technology for child health and paediatrics that falls outside categories 1-6. |
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