

## Improving Healthcare Resources and Patient Outcomes

*High value, high performing, efficient healthcare solutions and technologies for hospitals and patients*

3M healthcare solutions help improve the quality of life of patients and enable an efficient use of resources in hospitals. 3M technologies and solutions help fight against hospital acquired infections; help prevent and treat critical and chronic conditions across the care continuum; help better manage medical and patient data records.

### I. Healthcare Associated Infections (HAI):

**Healthcare Associated Infections (HAI)** are infections that a patient acquires when receiving healthcare or during a stay in a healthcare institution. Approximately 4.1 million patients are estimated to acquire an HAI in the European Union every year. A conservative estimate by the EU suggests that HAIs lead to 37,000 deaths and generates EU 5.48 billion in healthcare costs each year, which does not account for productivity loss.<sup>1</sup> The 3M Infection Prevention Division offers healthcare professionals leadership [solutions to minimise the risks of healthcare associated infections](#). Combining science and technology, 3M draws from more than 40 core technology platforms and a comprehensive portfolio of quality products that help the healthcare industry define and address best practices.



*3M™ Bair Hugger™  
Pediatric Underbody  
Blanket, Model 555*

#### Patient warming

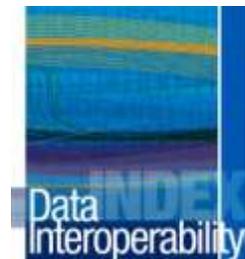
Negative effects of even mild hypothermia during the time period of a patient's surgical procedure are well described and cover a broad range of complications. The incidence of wound infection triples and hospital stays are prolonged by 20%, blood-loss and transfusion rates increase and the risk of cardiac complications quadruples. Warming prior, during and after an operation with 3M™ Bair Hugger™ and 3M™ Bair Paws™ system offers a number of easy to use gowns and blanket designs to actively prewarm, warm- and rewarm- your most challenging cases, from paediatric to geriatric, without compromising surgical access.

### II. Health Information Systems:

Hospitals and health institutions create millions of records each day most of which is not linked and not digitally saved to follow the patient's care journey. This results in higher costs and non-optimized patient care in the healthcare sector in Europe. Health information system offers solutions to manage medical records efficiently by allowing multiple information systems to effectively share information, and by facilitating communication between applications and reference terminology via standard services.

#### 3M™ Health Data Dictionary (HDD):

Huge amounts of healthcare data are gathered by legacy information systems, but very little can be shared or aggregated in a meaningful way for treatment decisions and outcomes analysis. In order to leverage computerized healthcare data, that data must be concretely defined and consistently translated into a standard meaningful language. [3M™ Healthcare Data Dictionary \(HDD\)](#) is a controlled medical vocabulary server that makes it possible to map and manage medical terminologies, integrate content and standardize healthcare data. The technology allows organizations to transmit and receive accurate, actionable patient data across systems and applications, regardless of where data originates. HDD significantly improve outcomes and contribute to the quality and safety of patient care by helping to reduce medical errors resulting from misinterpreted, inaccurate, or imprecise patient data.



<sup>1</sup> European Centre for Disease Prevention and Control. Surveillance of surgical site infections in Europe, 2008–2009, Stockholm. ECDC, 2012.