

# NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

## QUALITY STANDARD TOPIC OVERVIEW

### 1 Quality standard title

Intravenous fluid therapy in children and young people in hospital

### 2 Introduction

#### 2.1 *NICE quality standards*

NICE quality standards are a concise set of prioritised statements designed to drive measurable quality improvements within a particular area of health or care.

The standards are derived from high-quality guidance, such as that from NICE or [accredited](#) by NICE. They are developed independently by NICE, in collaboration with health, public health and social care practitioners, their partners and service users. Information on priority areas, people's experience of using services, safety issues, equality and cost impact are considered during the development process.

NICE quality standards are central to supporting the government's vision for a health and social care system that is focused on delivering the best possible outcomes for people who use services, as detailed in the [Health and Social Care Act \(2012\)](#).

The quality standard development process is described in detail on the [NICE website](#).

#### 2.2 *This topic overview*

This topic overview describes core elements of the quality standard. These include the population and topic to be covered, key source guidance to be used to underpin potential quality statements, any related quality standards,

published current practice information and national or routine indicators and performance measures.

If the source guidance is not NICE guidance, it should meet the minimum quality criteria defined in NICE's [accreditation programme](#).

### **3 This quality standard**

This quality standard is expected to publish in September 2016.

#### **3.1 Population and topic to be covered**

This quality standard will cover the management of intravenous (IV) fluids in children and young people up to age 16 (NICE quality standard QS66 for [Intravenous fluid therapy in adults in hospital](#) covers young people and adults aged 16 years and over), including babies born at term and babies born prematurely who have a corrected age of term (40 weeks) or more. It covers IV fluids used for a range of conditions and in different hospital settings.

#### **3.2 Key development sources (NICE and NICE-accredited sources)**

##### **Primary source**

- [Intravenous fluid therapy in children and young people in hospital](#). NICE guideline. Publication expected December 2015

##### **Other sources that may be used**

- [Major trauma](#). NICE guideline. Publication expected February 2016
- [Diabetes \(type 1 and type 2\) in children and young people: diagnosis and management \(2015\) NICE guideline NG18](#)
- [Bronchiolitis in children: diagnosis and management \(2015\) NICE guideline NG9](#)
- [Fever in under 5s: assessment and initial management \(2013\) NICE guideline CG160](#)
- [Meningitis \(bacterial\) and meningococcal septicaemia in under 16s: recognition, diagnosis and management \(2010\) NICE guideline GC102](#)

NICE quality standard: Intravenous fluids in children and young people in hospital overview (December 2015) 2 of 5

- [Diarrhoea and vomiting caused by gastroenteritis in under 5s: diagnosis and management](#) (2009) NICE guideline CG84

### **Key policy documents, reports and national audits**

Relevant policy documents, reports and national audits will be used to inform the development of the quality standard.

- BNF for Children [Electrolytes and water](#)
- Great Ormond Street Hospital (2015) [Recovery: care of the child/young person](#)
- Guidelines and Audit Implementation Network (2015) [Guidelines for caring for an infant, child or young person who requires enteral feeding](#)
- Guidelines and Audit Implementation Network (2014) [Audit of parenteral fluid therapy for children and young persons \(aged over 4 weeks and under 16 years\) Vol 1](#)
- Guidelines and Audit Implementation Network (2014) [Audit of parenteral fluid therapy for children and young persons \(aged over 4 weeks & under 16 years\) Vol 2](#)
- Guidelines and Audit Implementation Network (2014) [Guidelines for insertion and maintenance of central venous access devices in children and young people](#)
- Royal College of Nursing (2013) [Standards for the weighing of infants, children and young people in the acute health care setting](#)
- Guidelines and Audit Implementation Network (2012) [Intravenous fluid use in children hospitalised with Appendicitis or Bronchiolitis – a Northern Ireland audit](#)
- Royal College of Anaesthetists (2012) [Raising the Standard: a compendium of audit recipes: Section 9.7 Peri-operative fluid audit in children](#)
- MHRA (2012) MHRA UK Public Assessment Report: [Intravenous 0.18% saline/4% glucose solution \('hypotonic saline'\): do not use in children except in specialist settings under expert supervision](#)
- Great Ormond Street Hospital (2011) [Aseptic non touch technique for intravenous therapy](#)

NICE quality standard: Intravenous fluids in children and young people in hospital overview (December 2015) 3 of 5

- Great Ormond Street Hospital (2011) [Peripheral venous cannulation of children](#)
- National Patient Safety Agency (2011) [NRLS Signal: The risk of harm when using intravenous connectors in children and babies](#)
- National Confidential Enquiry into Patient Outcome and Death (2010) [A mixed bag: an enquiry into the care of hospital patients receiving parenteral nutrition](#)
- National Patient Safety Agency (2010) [Prevention of over infusion of intravenous fluid and medicines in neonates](#)
- Association of Paediatric Anaesthetists of Great Britain and Ireland (2007) [APA consensus guideline on perioperative fluid management in children](#)
- National Patient Safety Agency (2007) [Reducing the risk of hyponatraemia when administering intravenous infusions to children](#)

### **3.3 Related NICE quality standards**

#### **Published**

- [Intravenous fluid therapy in adults in hospital](#) (2014) NICE quality standard 66
- [Fever in under 5s](#) (2014) NICE quality standard 64
- [Meningitis \(bacterial\) and meningococcal septicaemia in children and young people](#) (2012) NICE quality standard 19

#### **In development**

- [Bronchiolitis](#)
- [Diabetes in children and young people](#)

#### **Future quality standards**

This quality standard will be developed in the context of all quality standards referred to NICE, including the following quality standards scheduled for future development:

- Blood transfusion in neonatology
- Complex fractures

NICE quality standard: Intravenous fluids in children and young people in hospital overview (December 2015) 4 of 5

- End of life care for infants, children and young people
- Major trauma
- Norovirus
- Nutrition in hospital, including young people
- Parenteral nutrition in neonates
- Perioperative care
- Resuscitation following major trauma and major blood loss
- Transfusion
- Trauma services
- Urgent and emergency care

The full list of quality standard topics referred to NICE is available from the [quality standard topic library](#) on the NICE website.

#### **4 Existing indicators**

None identified.

#### **5 Further information**

See the NICE website for more information about [NICE quality standards](#) and the progress of this quality standard.