

This site has been developed to act as a central resource for HSC Trusts and relevant staff in relation to fluid management in **children and young people** (Child from birth (term) up to 16th Birthday). The resources have a particular focus in reducing the risk of harm due to hyponatraemia. This includes links to key background documents and resources as listed below.

Other useful links (such as adult charts and resources; links to other useful guidance) are also included separately to the right of this page or by clicking [here](#).

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## NPSA Patient Safety Alert 22

National Patient Safety Agency (2007) Patient Safety Alert 22: Reducing the risk of hyponatraemia when administering intravenous infusions to children. Documents are available by [clicking here](#).

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## RQIA Documents

In April 2008 and May 2010 the RQIA reported on the implementation of recommended actions outlined within NPSA Alert 22 throughout HSC Trusts and independent hospitals in Northern Ireland.

- [Reducing the risk of hyponatraemia when administering intravenous infusions to children, April 2008 \[Summary report following Validation Visits to Trusts and Independent Hospitals throughout Northern Ireland\]](#)
  - [Reducing the risk of hyponatraemia when administering intravenous infusions to children, May 2010 \[Report of actions taken by HSC Trusts and independent hospitals to implement recommendations made in the report "Reducing the risk of hyponatraemia when administering intravenous fluids to children" \(RQIA, June 2008\)\]](#)
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## GAIN Documents

GAIN supported the development of an audit tool to support Trusts as part of an ongoing audit of their local units in relation to the safety of the prescribing, administering, recording and maintaining of intravenous (iv) fluids to children over 4 weeks and under 16 years.

- [Audit of Parenteral Fluid Therapy for Children and Young Persons \(aged over 4 weeks & under 16 years\) Volume 1](#)
  - [Audit of Parenteral Fluid Therapy for Children and Young Persons \(aged over 4 weeks & under 16 years\) Volume 2](#)
  - [PIVFAIT Audit tool V0.13 Feb 2017.xlsm](#)
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## NICE Guidelines

- [Intravenous fluid therapy in children and young people in hospital NICE guideline \(NG29\) Published date: December 2015](#)
  - [Circular HSC \(SQSD\) \(NICE ~ Intravenous fluid therapy in children and young people in hospital - 30.06.17.pdf](#)
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## DoH

### DoH Correspondence

- [HSS \(MD\) 16 2017 – Departmental Endorsement of NICE NG29 – INTRAVENOUS FLUID THERAPY FOR CHILDREN AND YOUNG PEOPLE IN HOSPITAL & REVISED RESOURCES FOR THE PRESCRIPTION AND MONITORING OF IV FLUIDS IN CHILDREN & YOUNG PEOPLE.pdf](#)
- [HSC \(SQSD\) \(NICE Clinical Guideline NG29 – INTRAVENOUS FLUID THERAPY FOR CHILDREN AND YOUNG PEOPLE IN HOSPITAL 24/17 issued 20 June 2017\[JJC1\] hsc-sqsd-nice-ng29-24-17.pdf](#)

- The Department has established an Implementation Plan to take forward the recommendations arising from the Inquiry into Hyponatraemia-related Deaths. Further Information can be found at <https://www.health-ni.gov.uk/topics/hyponatraemia-implementation-programme/ihrd-implementation-programme>
- Publication of a new Regional Policy for the administration of intravenous fluids to children aged from birth (term) until their 16th birthday: reducing the risk of harm due to hyponatraemia and Publication of regional updated Competency Framework for reducing the risk of Hyponatraemia when administering intravenous fluids to babies, children & young people – October 2019 (updates and replaces the Competency Framework issued in February 2015) - [HSS\(MD\)2-2020 - PUBLICATION OF A NEW ~ 16TH BIRTHDAY REDUCING THE RISK OF HARM DUE TO HYPONATRAEMIA PUBLICATION OF REGIONAL UPDATED COMPETENCY FRAMEWORK OCT 19.pdf](#)

## Charts for Term Babies, Children & Young People

- [DOH Wall Chart - Updated February 2017 - PARENTERAL FLUID THERAPY FOR TERM NEONATES \(UP TO 4 WEEKS OF AGE\) BEING NURSED IN AN ACUTE SETTING.pdf](#)
- [DoH Wall Chart - Updated February 2017- PARENTERAL FLUID THERAPY FOR CHILDREN & YOUNG PEOPLE \(AGED OVER 4 WEEKS & UNDER 16 YEARS\).pdf](#)

Daily Fluid Balance and Prescription Chart and training package issued by DoH September 2017 [HSS(MD) 16/2017]:

- [Daily Fluid Balance and Prescription Chart \(Child from birth \(term\) up to 16th Birthday\) - February 2017..pdf](#) Online assessment on Paediatrics Fluid Balance & Prescription Charts also available on HSC e-learning site.
- [Powerpoint presentaion on Paediatric Fluid Balance & Prescription chart.pptx](#)
- [Additional guidance on completion of Paediatric Fluid Balance & Prescription Charts.pdf](#)

- How to prescribe intravenous medicine infusions on a medicines kardex and/or daily fluid balance & prescription sheet Updated June 2018 - [Guidance notes on the administration of intravenous medicines on the kardex 080618.pdf](#)
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## Regional IV Fluids Policy

- [Regional Policy on administration of intravenous fluids to children version 1 October 2019.pdf](#)
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## Competency Framework

This framework was jointly developed by HSC Trusts and the PHA, in consultation with stakeholders, to support consistency of approach in the implementation of RQIA recommendations.

- [HSC Competency Framework October 2019.pdf](#)
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## Training Resources

- [BMJ e-learning module - Reducing the risk of hyponatraemia when administering IV fluids to children](#)
- Case Studies
  - All Trusts may access the case studies via the HSC e-Learning site at - <http://www.hsclearning.com>
  - Five clinical management case studies (2 medical, 2 surgical and 1 neonatal) are provided which integrate the regional paediatric fluid balance chart:
  - Online Assessment on Paediatric Fluid Balance & Prescription Charts also available on HSC e-learning site.

For any problems accessing the BMJ e-learning module, please follow the instructions below:

<https://learning.bmj.com/learning/home.html>

1. Click on the link
2. If registered sign in and search for the module
3. If not registered - click 'sign in' tab and then click 'register' tab. Use Trust email address
4. Once registered you can access the module for free

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## Audit

The Gain 2014 report recommended that an audit tool be developed to facilitate Trusts in the ongoing monitoring of pediatric IV fluid management:

- [PIVFAIT Audit tool V0.13 Feb 2017.xlsm](#)
- Sample Audit – Hyponatraemia Low Sodium - [Sample hyponatraemia audit form September 2019.docx](#)

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**For other useful links relating to fluid management please see useful links section or [click here.](#)**

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