Letters

NSF for children and young people in Wales

The National Service Framework (NSF) for children, young people, and maternity services in England has recently been published by the Department of Health. On 15 October the equivalent Welsh consultation document was launched by the Minister for Health and Social Services at the Welsh Assembly Government, Mrs Jane Hutt; the consultation document of the Welsh NSF differs from the English NSF in a number of ways.

First, the Welsh document has set standards not just for health and social care but also for the other agencies which have a strong influence on the health and wellbeing of children, such as education, housing, leisure, and transport. The document has been endorsed in a foreword signed by the First Minister, Rhodri Morgan, and all members of the Cabinet of the Welsh Assembly Government.

A second difference from the English NSF is that the Welsh document is written with 21 standards and 205 ‘key actions’, each of which is specific, written in the present tense, and can be measured. The third difference is that a web based self-assessment audit tool is being developed for use by all the agencies who will be involved in implementing the NSF in order to assess progress locally (in the 22 local government authorities throughout Wales). This measurement should prove invaluable in helping to determine local priorities for future service development.

As part of the process, the Welsh Assembly Government commissioned an extensive series of consultation events with children and young people, parents, and carers at a variety of venues around Wales, as well as through questionnaires sent out to schools. The final reports of these consultation exercises are available to view or download from the NSF website; the development of the key actions within the document have been driven by the results of these consultation exercises to ensure that children and their families have been placed at the heart of all service planning.

There is now a three month consultation period when we hope that all will have an opportunity to read and then comment on the draft document. The document is being made available on the website, but also has three different hard copy versions: a full version, including references (158 pages long); a shorter version containing the key actions (93 pages); and a young person’s version, which will enable young people to participate in the consultation.

We are conscious that the implementation strategy is at least as important as the setting of standards and the key actions themselves. The major challenge has been to ensure that there is joint working across the different organisations which are involved in the services that children need. Many of the key actions within the NSF are the responsibility of several organisations, which will be required to work in partnership: the Consultation Document specifies which relevant organisations need to take responsibility for each key action.

The coordination of local services is the responsibility of Children and Young People’s Framework Partnerships which are partnerships made up of local authorities, health services, other statutory bodies such as the police, and voluntary organisations. Each partnership in Wales must involve children, young people, and families in preparing a framework plan which sets out the strategic priorities for services.

The key actions within the NSF will only be as good as our ability to implement them. We cannot know if we are being successful in our implementation unless we measure the extent to which they are being delivered, and the challenge has been to develop a methodology for measuring success that is compatible with the performance management framework already in existence. To try to meet this requirement, a web based self-assessment audit tool is being developed for publication at the same time as the final standards in the summer of 2005, which we hope will enable local measurement of progress in achieving the key actions. In addition, the standards and key actions will be subject to inspection processes by Health Inspectorate Wales (HIW) (working in conjunction with the Health and Social Services Inspectorate, and we anticipate that there will be joint inspections carried out in Wales between HIW, Social Services Inspectorate Wales, Care Standards Inspectorate Wales, and the Inspectorate for Further Education and Training in Wales (ESTYN).

It is clear that the profile of the children’s and young people health and wellbeing is higher than it ever has been on the political and planning agenda, in both England and Wales. We can learn from each other and we, in Wales, would be grateful to receive comments from all parts of the UK on our Welsh NSF, as part of the consultation process, before the final document is published in summer 2005. Please access the website www.wales.nhs.uk/nsf and let us have your comments.

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Risk of life threatening apnoea after immunisation

It is common practice in the UK to immunise babies with DTP (diphtheria, pertussis, tetanus), Hib (haemophilus influenza type b), meningitis C, and polio at 8 weeks following delivery, regardless of corrected gestational age. However, such recommendations may be inappropriate for premature babies who may be at increased risk of apnoea and bradycardia.1 2

Twenty seven week gestation twins underwent their first immunisations at 62 days of age (corrected age 14+2 weeks) The following morning (15–16 hours later) both twins went a pale, dusky colour and had a respiratory arrest requiring bag and mask ventilation with severe bradycardia. On examination both twins were both cyanosed and pyrexial. Intravenous antibiotics were started but stopped 48 hours later when full septic screens, viral cultures, and a nasopharyngeal aspirate returned negative. Cardiac and oxygen saturation monitoring showed several further episodes of desaturations, requiring facial oxygen and gentle stimulation. A full recovery to normal self-ventilation in air followed over four hours. Both babies remained pink, active, and with no respiratory distress despite elevated C reactive protein (twin 1: 27 mg/l; twin 2: 38 mg/l; normal <10 mg/l) and raised platelets in twin 1 (420 x10^9/l; normal 150–400). The reactions were reported to the UK Adverse Drug Reactions reporting scheme. Four weeks later the second immunisation sets using acellular pertussis were administered while cardiorespiratory and oxygen monitoring was performed. Neither twin had any reaction to the second course of immunisations. Current evidence points to an increase in episodes of apnoea and bradycardia in preterm infants receiving their eight week immunisation,3 and the unit has decided to review its policy on the monitoring of such infants.

The episodes of apnoea and bradycardia in the twins following their immunisations were highly suggestive of a delayed type hypersensitivity reaction to a component of one of the vaccines. Studies have implicated the whole cell pertussis component of DTap with significantly more reactions and raised C reactive protein after immunisation with DTap than after separate diphtheria, Hib, and tetanus toxoid vaccines alone.3

Current opinion for immunisation of preterm infants suggests cardiorespiratory monitoring for up to 48 hours post-immunisation rather than postponement of immunisation;2 however, recommendations for future immunisations in infants who have had an episode of apnoea or bradycardia are unclear. Many suggest immunisation with acellular pertussis, as inpatients with 48 hour monitoring.4 However, the evidence from one Australian study implies that the risk of future reaction is very low.5

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References
3 Johnson CP, Fireberg HV. Adverse events following pertussis and rubella vaccines. JAMA 1992;267:392–6.
Addressing child welfare concerns: a new approach

In a small proportion of childhood hospital attendances there are obvious child protection issues. In a much greater number there is concern about the child's welfare. Only if concerns are recognised, documented, and addressed at an earlier stage, can we hope to improve “safeguarding” children.

In Peterborough District Hospital a “Concern Sheet” has been in use since 1998 to address child protection concerns throughout the Trust. Use of the Concern Sheet has been audited twice. Despite this, many failures of documentation, reporting, and follow up were identified. To address these problems, a joint hospital/community “Children’s Liaison and Discharge Coordinator” was appointed in October 2002. She is a registered children’s nurse, with child protection experience.

Our aim was to see if these two measures improved identification, documentation, and follow up of child protection concerns. We retrospectively analysed the Concern Sheet data collected for 2003 and noted a striking follow up of child protection concerns. We believed that we were addressing concerns which were less serious at an earlier stage, but it is noteworthy only 47 (9.6%) required no further action. Nearly half (230, 46.9%) of the concerns were serious enough to warrant a discussion with Social Services. The Coordinator liaised with health visitors in 229 (46.7%), school nurses in 21 (4.3%), Child and Adolescent Mental Health Services in 29 (5.9%), and police in 40 (8.2%) of the cases where Concern Sheets were completed.

Forty two children (18.2%) proceeded to an Initial Child Protection Conference, 14 (6%) had an early Review Conference, and 2 (0.8%) had an early Transfer-in Conference as a result of the concern reports. Of those subjected to an Initial Conference, 36 (86%) were registered.

From past enquiries into child deaths, the common reasons which have led to a failure to intervene early enough are poor training, documentation, information sharing, and follow up of concerns. Lord Laming has emphasised the importance of better training and introducing systems which allow quality monitoring. We have attempted to address these issues and conclude that “safeguarding children” may be improved by:
- Having a person other than the named and designated professionals in the role of a Coordinator
- Having a uniform way of recording child welfare concerns throughout a Trust.

### Table 1
Areas of the Trust and numbers of Concern Sheets compared for the years 2002 and 2003

<table>
<thead>
<tr>
<th>Area</th>
<th>2002 (n = 153)</th>
<th>2003 (n = 490)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paediatric assessment unit</td>
<td>68 (44.4%)</td>
<td>105 (21.4%)</td>
</tr>
<tr>
<td>Paediatric ward</td>
<td>43 (28.1%)</td>
<td>73 (14.8%)</td>
</tr>
<tr>
<td>A&amp;E</td>
<td>32 (20.9%)</td>
<td>244 (49.7%)</td>
</tr>
<tr>
<td>Special care baby unit</td>
<td>3 (1.9%)</td>
<td>19 (3.8%)</td>
</tr>
<tr>
<td>Children’s outpatients</td>
<td>3 (1.9%)</td>
<td>11 (2.2%)</td>
</tr>
<tr>
<td>Community child health</td>
<td>0</td>
<td>5 (1.0%)</td>
</tr>
<tr>
<td>Maternity unit</td>
<td>0</td>
<td>15 (3.1%)</td>
</tr>
<tr>
<td>Others*</td>
<td>4 (2.6%)</td>
<td>18 (3.6%)</td>
</tr>
</tbody>
</table>

*As awareness increased, concerns were also received from surgical wards, therapists, and paramedics in 2003.

### Table 2
Concerns categorised according to age group

<table>
<thead>
<tr>
<th>Category</th>
<th>0–4 years (n = 260)</th>
<th>5–10 years (n = 90)</th>
<th>11–16 years (n = 140)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neglect</td>
<td>102 (39.2%)</td>
<td>17 (18.9%)</td>
<td>15 (10.7%)</td>
</tr>
<tr>
<td>Physical abuse</td>
<td>94 (36.1%)</td>
<td>30 (33.3%)</td>
<td>30 (21.4%)</td>
</tr>
<tr>
<td>Sexual abuse</td>
<td>3 (1.2%)</td>
<td>7 (7.8%)</td>
<td>4 (2.9%)</td>
</tr>
<tr>
<td>Emotional abuse</td>
<td>0</td>
<td>2 (2.2%)</td>
<td>37 (26.4%)</td>
</tr>
<tr>
<td>Mental health issues /self harm/overdose</td>
<td>0</td>
<td>2 (2.2%)</td>
<td>37 (26.4%)</td>
</tr>
<tr>
<td>Misuse of drugs/alcohol</td>
<td>0</td>
<td>0</td>
<td>23 (16.4%)</td>
</tr>
<tr>
<td>Parental mental health issues</td>
<td>20 (7.7%)</td>
<td>8 (8.9%)</td>
<td>10 (7.1%)</td>
</tr>
<tr>
<td>Parental misuse of drugs/alcohol</td>
<td>21 (8.1%)</td>
<td>10 (11.1%)</td>
<td>4 (2.9%)</td>
</tr>
<tr>
<td>Domestic violence</td>
<td>17 (6.5%)</td>
<td>12 (13.3%)</td>
<td>8 (5.7%)</td>
</tr>
<tr>
<td>Others</td>
<td>3 (1.2%)</td>
<td>3 (3.3%)</td>
<td>9 (6.4%)</td>
</tr>
</tbody>
</table>

Each column adds up to 100%.
deficiency we would strongly agree with Allgrove and Ladhani and colleagues’ in emphasising the importance of vitamin D supplementation. It is certainly a serious indictment of our community preventative services not to have protected “high risk” mothers and their offspring. We would propose an urgent review and implementation of the national recommendations on vitamin D supplementation in “high risk” pregnant women and infants to prevent associated infantile coarctatio.

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References

Apnoeas in bronchiolitis: is there a role for caffeine?

Bronchiolitis is a common respiratory illness in infants in winter months. Recurrent apnoeas in high risk infants with severe bronchiolitis increases the need for respiratory support (nasal continuous positive airway pressure and ventilation) and transfer to the paediatric intensive care unit (PICU). During the winter of 2003–04 we had three babies presenting with apnoea secondary to bronchiolitis. All three babies were ex-preterm infants under 3 months of age. All had deterioration in their respiratory status potentially needing further care in PICU. On advice of two PICU consultants these babies were treated with a loading dose of caffeine. All the children showed immediate improvement in their respiratory status and avoided being transferred out. Caffeine is a respiratory stimulant widely used in the treatment of apnoea of prematurity. Following our experience we performed a questionnaire survey of the use of caffeine for apnoeas in bronchiolitis across 20 intensive care units in the UK. We made a thorough literature search to look at the evidence. Of the 20 questionnaires sent, only 10 replies were received. Opinion was divided between PICU consultants, with four stating that they would advice a trial of caffeine. This made a total of six, including the two who advised us previously. The evidence from literature is anecdotal.

We conclude that there is little evidence in literature to support the use of caffeine in bronchiolitis, and there is divided opinion in PICUs across the UK. We feel that caffeine is a relatively simple treatment option in a district general hospital for apnoeas in bronchiolitis and recommend a randomised controlled trial. We would welcome comments on similar experiences from readers.

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References

BOOK REVIEWS

Child public health


Since the heyday of public health in the late nineteenth century it has failed to raise the pulse of many clinicians, as they believe its work, at least in the developed world, is done. This book comes on the tide of renewed interest in the discipline. It outlines the current state of child public health, refreshes the contemporary image, and reinforces the premise that child public health is as relevant and important today as it has ever been. Aimed at paediatricians and public health practitioners, it will also appeal to all those interested in the health of children in the UK. For those with little knowledge of child public health it provides an excellent introduction and overview, making accessible the theories and practicalities of child public health.

The book moves nicely from the background, through key concepts, to practical applications. The first three chapters describe the health of children nationally and globally, and outlines how child public health practices sit historically. There is a lot of information covered, some glossed over as a necessity, but generally good use is made of statistics and tables.

The next three chapters give an excellent summary of the theories, key concepts, and techniques used in child public health. Again the pace is swift, readable, and well balanced. The further reading lists adequately guide readers to more detail where required. While it would be easy to be critical about the breadth or depth of topics in this book, it was never intended to be a comprehensive public health reference textbook. However it would be useful to have more on sustainable development, quality assurance/service improvement, and the public health contribution to the commissioning process.

The unique aspect of this book is the inclusion of practical examples of theory applied to prevalent public health problems. After assimilating the basic facts and concepts, the reader is given suggestions on how to put the approaches into practice. The ideas should give renewed hope and encouragement to those at the front line dealing with these all too familiar problems. For future editions it would be valuable to expand the content in this section with a reduced focus on the global context and lessons from the past.

This first edition of child public health succeeds in being readable and making child public health an accessible subject, not with theoretical ideals, but with practical suggestions. We hope this book will inspire a future text, with a wider and more in-depth brief that will become the much needed reference standard text for child public health. However there will always be a place for the deskbook of this length for the reader wanting a summary that can be read cover to cover and digested within a week.

Child public health is a superb book and should be on the shelves of all paediatric, child health, and public health departmental libraries. It is essential reading for all paediatric trainees, but has relevance for all who work in child health, whatever their professional background.

R Tomlinson, S Lenton

Reference

Epilepsy in children, 2nd edition


Epilepsy in children is a complex and challenging area and a good clinician knows when to draw on multidisciplinary professional expertise, while staying up to date with clinical and non-clinical areas outside his or her immediate expertise. Nowhere has this been more understood this more than the late Sheila Wallace under whom I had the privilege to
The clinical management of craniosynostosis


In the introduction of this text the editors have indicated their desire to produce a volume that does not constitute a specialised text for experts, but rather a resource of information for associated professionals who perform an essential role in the management of these complex cases, at a significant distance from the “home institution”. In this regard the book has been successful in its aim, and it is certainly refreshing to see a book of craniofacial surgery not concentrating on surgery for superficial cases.

In fact the contents of the book highlights the fact that surgical intervention, although a key factor in the treatment of these complex cases, is only a relatively small/short phase of a coordinated multidisciplinary care pathway in these frequently complex cases.

The authors have acknowledged the fact that this text constitutes a single unit of philosophy, and as such is a distillation of “local” approaches and beliefs albeit in a major busy unit with a substantial case load. These are presented in clear sections supported by good literature reviews.

As with any texts from multiple authors overlapping in terms of clinical expertise, the book does reflect a degree of repetition, particularly in the earlier chapters.

The overall quality of sections is good, with some excellent chapters. However, particularly in the earlier chapters, there are many overlapping in terms of clinical expertise, the book does reflect a degree of repetition, particularly in the earlier chapters.

The overall quality of sections is good, with some excellent chapters. However, particularly in the earlier chapters, there are many overlapping sections in terms of clinical expertise, and the literature review is very well set out and worthy of further reading.

The book is aimed at clinicians and trainees and does indeed cover topics in general and community paediatrics and neonatology. It will probably be more relevant to non-specialist practitioners and more junior trainees aiming to update their knowledge, but is unlikely to be a substantial enough review for those in more specialist areas such as neonatology. It may not add much to the cause of paediatric surgical intervention particularly in the earlier chapters.

The surgical techniques presented are not meant as a surgical atlas but are aimed at giving an overview of the options available and appropriate. The occasional radiograph and clinical photograph are relevant, but occasionally the reader will be frustrated by the restricted box restricted to one page of the book instead of frequently spilling over into two. The diagrams are particularly relevant, but occasionally a little fuzzy and sadly lacking in colour. The radiographs and photographs are clear, but seem on the whole to add little to the subjects. The literature review is very well set out and worthy of further reading.

In conclusion, this text represents a worthwhile contribution to the craniofacial literature. It is generally a readable and accessible source of information, achieving the aims outlined by the editors, and all contributors should be congratulated on a book highlighting the fact that a coordinated multidisciplinary approach is essential in the treatment of all patients with craniosynostosis.