

**Directed Enhanced Service for 'Childhood Immunisations'**

Reference: DES 02

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**1. Financial Details**

This agreement is to cover the 12 months commencing 1 April 2007.

On agreement with the PCT practices will receive:-

Funding for the achievement of childhood vaccination and immunisation targets will be made through enhanced services.

For childhood immunisation (two year olds) the average payments in 2007/08 are £2,829 for practices meeting the lower target and £8,487 for those meeting the higher target.

For pre-school boosters (five year olds) the average payments in 2007/08 are £875.87 for practices meeting the lower target and £2,626.56 for those meeting the higher rate.

The prospective payments are based on an average practice with a list of 5,000 with 59.25 patients aged two and 61.45 patients aged five. To calculate the actual payment a practice will receive, the payments above are multiplied by the ratio of actual patients in these age bands to the number of patients provided above.<sup>1</sup> Annex A provides a worked example.

Practices will be responsible for reporting to the appropriate PCT all immunisations given as soon as possible in accordance with existing local arrangements. Payments will continue to be made as per existing PCT finance arrangements.

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<sup>1</sup> The maximum sums payable to a practice under each programme will depend on the number of children on the practice list at the first day of each quarter compared with the average UK number of children per 5,000 population. These averages are based on ONS 2001 mid-year estimates, and are 59.25 for age 2 and 61.45 for age 5. The maximum sum payable is therefore: Number of children aged [2] [5] on the practice list x Appropriate target price [59.25] [61.45]

## **2. Service Aims**

The purpose of this DES is to continue to ensure that a high percentage of children aged two years and five years receive the appropriate immunisations.

The scheme will provide a cost-effective means of ensuring that children are protected from these serious diseases and from the complications of those diseases. The scheme remains one of the most effective public health tools in that it not only protects children individually but collectively in the wider community also (especially those for whom immunisation is contra-indicated).

### 3. Criteria

The National Directed Enhanced Service Specification details the following criteria.

The following pages contain some further guidance from the PCT on expected processes, outcomes and deliverables based on this process. On aspiring to this service practices are required to submit plans under each of these items to the PCT.

1. Register
2. Liaison with parents or guardians
3. Relevant immunisations
4. Staff
5. Resuscitation
6. Review/Audit
7. Health Record

\* Please note that these criteria are nationally determined and are not subject to negotiation.

#### Criteria One : Register

- Develop and maintain a register of all children under and up to five years of age

#### Criteria Two: Liaison with parents or guardians

- Liaise with and inform all parents or guardians of these children of the immunisation programme. All children and their parents/carers need to be made aware of the benefits of being immunised against childhood infectious diseases.
- Written information should also be given when appropriate

### **Criteria Three: Relevant immunisations**

- undertake to immunise children under five with the relevant immunisations. This specification is based on the existing lower (70%) and higher (90%) target payments.

### **Criteria Four : Staff**

- ensure that all staff providing the DES service to patients will have the necessary skill and training to do so. This includes continuing training and professional development

### **Criteria Five : Resuscitation**

- have appropriate resuscitation equipment on site in case of anaphylactic reactions.

### **Criteria Six : Review/Audit**

- All practices involved in the scheme will be required to conduct an annual review which should include as a minimum a audit of:
  - the rates of immunisation among children two years and under;
  - the rates of booster immunisation for children up to five years old; and
  - any changes in these rates within the year and possible reasons for those changes.

### **Criteria Seven : Health Record**

- Practices need to ensure that the current immunisation status of each child is recorded in the GP-held lifelong record. This should include a record of any parent or guardian refusing to give permission for immunisation and all information and advice given to the parent or guardian involved. Adverse reactions to immunisations must also be recorded.
- Practices must ensure that details of the patients' monitoring as part of the NES is included in their life-long record. If the patient is not registered with the practice providing the NES, then the practice must send this information to the patient's registered practice for inclusion in the patient.

#### **4. Ongoing Measurement & Evaluation**

The ongoing measurement is outlined in the various criteria in the previous section.

In addition the practice is required to agree with the PCT this service specification/plan at the start of the year and to submit the completed document at the end of the year for evaluation purposes.

# Annex 1 - Target payment specifications

This payment specification and worked example are included for information only and are based on a web-published specification developed by Brighton and Hove Teaching PCT. For the original version, please go to [www.brightonandhovepct.nhs.uk/healthprofessionals/generalpractice/enhanced\\_services/docs/Childhood%20imms%20des02.doc](http://www.brightonandhovepct.nhs.uk/healthprofessionals/generalpractice/enhanced_services/docs/Childhood%20imms%20des02.doc)

## Target payments in respect of two year olds

Practice will be eligible for a Two Year Olds Immunisation Payment if:

- on the first day of the quarter to which the payment relates, at least 70%, for the lower payment, or at least 90%, for the higher payment, of the children aged two (i.e. children who have celebrated their second birthday but not yet their third) registered with the practice have completed the immunization courses for protection against -
  - (a) (Group 1) Diphtheria, tetanus, poliomyelitis
  - (b) (Group 2) Pertussis
  - (c) (Group 3) Measles/mumps/rubella
  - (d) (Group 4) Haemophilus influenzae Type B (Hib)

The practice must make available to the PCT sufficient information to enable the PCT to calculate the payment using the following figures:

- the number of two year olds whom it is under a contractual obligation to include in its Childhood Immunisation Scheme Register on the first day of the quarter
- how many of these two year olds have completed each of the immunization courses recommended by the Green Book for protection against the disease groups referred to above
- of those completed immunization courses how many were carried out by a GMS or PMS contractor within the NHS
- all information supplied pursuant to or in accordance with this paragraph must be accurate

If the practice breaches any of these conditions the PCT may, in appropriate circumstances, withhold all or part of a payment that is otherwise payable.

## Target payments in respect of five year olds

A practice qualifies for that payment if:

- on the first day of the quarter to which the payment relates, at least 70%, for the lower payment, or at least 90%, for the higher payment, of the children aged five (i.e. children who have celebrated their fifth birthday but not yet their sixth) registered with the practice have received the reinforcing doses recommended by the Green Book for protection against diphtheria, tetanus and poliomyelitis.

The practice must make available to the PCT sufficient information to enable the PCT to calculate the payment using the following figures:

- the number of five year olds whom it is under a contractual obligation to include in its Childhood Immunisation Scheme Register on the first day of the quarter
- how many of these five year olds have completed each of the immunization courses recommended by the Green Book for protection against diphtheria, tetanus and poliomyelitis
- of those completed immunization courses how many were carried out by a GMS or PMS contractor within the NHS
- all information supplied pursuant to or in accordance with this paragraph must be accurate

## Calculation of Target Payments

For calculation purposes immunisation should only be counted if there are no outstanding courses or reinforcing doses required under each programme.

The maximum sums payable to a practice under each programme will depend on the number of

children on the practice list at the first day of each quarter compared with the average UK number of children per 5,000 population. These averages are based on ONS 2001 mid-year estimates, and are 59.25 for age 2 and 61.45 for age 5. The maximum sum payable is therefore:

Number of children aged [2] [5] on the practice list x Appropriate target price  
[59.25] [61.45]

For the purposes of this enhanced service, only those immunisations completed in NHS general practice (i.e. under GMS, PMS or, as proposed under the new contract, equivalent services provided directly by the PCT) will apply. This includes:

- patients who may have transferred to the practice having already received the necessary immunisations
- patients who may have transferred to the practice needing, and being given, the final immunisation or booster needed to complete the course, in NHS general practice

Work done by employed or attached staff at the direction of a practice as part of NHS general practice will be treated as being performed by the practice.

Completed immunisation will not count where any other remuneration is received for the work outside of this service (e.g. children immunised privately). The PCT must therefore be notified of any appointments held within the practice which include the carrying out of childhood immunization and pre-school boosters for any other body (NHS or otherwise).

The actual amount payable to a practice will be calculated as follows:

1. the first step will be to determine whether the 90% or 70% target has been achieved by comparing the total number of completing immunisations necessary to achieve the target with the number of completing immunisations actually given. Where the calculation of completed courses of immunisations needed to reach the target levels would result in a fraction, the target will be rounded to the nearest integer (0.5 being rounded down). Under the age 2 programme, because there are four groups the number necessary to achieve the target will be the appropriate percentage of four times the number of children concerned
2. if a target has been achieved and the number of completing immunisations done by the practice as part of NHS general practice is greater than the number of children needed to reach target level, the latter figure will be counted
3. the actual amount payable to the practice will be calculated by multiplying the maximum sum payable by the number of completing courses/boosters done by the practice as part of NHS general practice, divided by the number needed to achieve the appropriate percentage coverage.

## Example of calculation

A practice has 60 children on its list aged 2, and 67 aged 5.

Of those aged 2:

all 60 have complete courses of Group 1 (diphtheria, tetanus, poliomyelitis) immunisations; 30 by the practice as part of NHS general practice, 15 by another practice as part of NHS general practice and 15 by a PCT-run clinic

45 have completed courses of Group 2 (pertussis) immunisations; 24 by the practice as part of NHS general practice, 21 by a PCT-run clinic

36 have completed courses of Group 3 (MMR) immunisations; 15 by the practice as part of NHS general practice, 6 by another practice as part of NHS general practice and 15 by a private clinic (ie outside the NHS)

54 have completed courses of Group 4 (Hib) immunisations; 30 by the practice as part of NHS general practice, 4 by another practice as part of NHS general practice, and 18 by a PCT-run clinic and 2 received a Hib vaccine before entering the UK.

Of those aged 5:

50 have had pre-school boosters, 49 of which were given by the practice as part of NHS general practice, and 1 of which was given the booster by a PCT-run clinic.

## Step 1

To reach the target under each programme the practice would need to achieve the following completing immunisations:

**For age 2**

70%/90% of number of children with completing immunisations, in each group,  $([0.7] [0.9] \times 60 \times 4)$

so:

the 70% target requires **168** completing immunisations  
the 90% target requires **216** completing immunisations

**For age 5**

70%/90% of the number of children,  $([0.7] [0.9] \times 67)$

so:

the 70% target requires **47** completed boosters  
the 90% target requires **60** completed boosters

**Step 2**

Calculating if the target was reached:

**For age 2**

Group 1 = 60  
Group 2 = 45  
Group 3 = 36  
Group 4 = 54  
Total = 195

The 70% target is reached but since 70% of  $60 \times 4 = 168$  completed immunisations, it is treated as **168**.

**For age 5**

The practice has given 49 children completed boosters under NHS general practice. The 70% target is reached but since 70% of 67 children = 47 completed boosters it is treated as **47**.

**Step 3**

Calculating the maximum sums payable:

**For age 2**

The calculation is:

Number of children aged 2 on the practice list X Lower target fee  
59.25

**SO:**

$\frac{60}{59.25} \times 2,572 = \text{£}2604$

**For age 5**

The calculation is:

Number of children aged 5 on the practice list X Lower target fee  
61.45

so:

$$\frac{67}{61.45} \times 796 = \text{£}868$$

#### Step 4

Calculating how much work was completed in NHS general practice and so how much is the payment to the practice:

##### For age 2

The number of completed immunisations in NHS general practice is:

Group 1,  $60 - 15 = 45$

(but since 70% of 60 children = 42 immunisations it is treated as 42)

Group 2,  $45 - 21 = 24$

Group 3,  $36 - 15 = 21$

Group 4,  $54 - (18+2) = 34$

**Total = 121**

So the payment will be the proportion of number of completed immunisations by the practice as part of NHS general practice [121] as a proportion of the number needed to reach the target level [168].

The calculation is:

Maximum sum payable x NHS general practice proportion = payment to practice

So:

$$\text{£}2604 \times \frac{121}{168} = \text{£}1875$$

#### For age 5

The number of NHS general practice completed boosters is 49 however because the number needed to achieve target is 47 it continues to be treated as 47 for determining the proportion delivered in NHS general practice.

so:

$$\text{£}868 \times \frac{47}{47} = \text{£}868$$