

IMMUNISATION

Vaccination Database & pathways - role of A.D.P.H.N.

Vaccination & Immunisation System – Background & Benefits

Edel Conway ADPHN (Immunisation)



AD/PHN role in Immunisation



- Role varies in different areas- office/area/school
- Key role to improve uptake
- Team approach to follow up of defaulters
- Part of regional and local management team
- Part of school immunisation team
- Liaison with GP practices/PHNs/C. health offices
- Public awareness- European immunisation week
- Provision and distribution of current research and information



Childhood Immunisation Schedule

Age	Vaccination
At Birth	B.C.G
2 months	6 in 1+PCV
4 months	6 in1 +Men C
6 months	6 in 1 +PCV+ Men C
12 months	MMR +PCV
13 months	Men C + Hib
4-5 Years	4 in 1+MMR

Maternity Hospital

Notification of Birth Form



Birth Recording IT System

(child health office)

PHN-1st home visit.

Nomination of vaccinating GP form

Immunisation Database

(child health office)

**Invitation Letters to Parent to Immunise Child-
at the scheduled times**

Health Promotion by PHN /Practice nurse/ GP

Child Immunised by GP practice

**GP returns form to Child Health Office after each visit
for the system to proceed.**

Documentation



- **Vaccination Forms issued** (once c.h. know nominated GP)
 - Pre-printed vaccination forms for each child due 1st vaccination are sent to the nominated GP before 1st vaccinations are due.
- **Invitation letters – to Parents**
 - Invitation letters to **parents/guardians** go on day child reaches **2 months**, inviting them to bring their child to their nominated **GP** for vaccination.
 - No invitation letters issue for 2nd & 3rd vaccines – national decision.
 - **12 months** an invitation letter for **MMR/PCV** vaccines issues to parents/guardians. This letter lists all vaccines the child has received up to this point. It also flags the need for **Men C & Hib** at **13 months**.



Primary Childhood Immunisation Record/Return Form 1a (2, 4, 6 months of age)

RETURN FORM to:

GP INSTRUCTIONS: PLEASE USE A BALLPOINT PEN and APPLY AMPLE PRESSURE TO PRODUCE CLEAR DETAILS ON ALL COPIES OF THIS SET, TO ENABLE PROMPT PAYMENT PLEASE RETURN TO YOUR LOCAL CHILD HEALTH OFFICE AS SOON AS POSSIBLE FOLLOWING VACCINATION. (RETAIN Final PART).

GP Practice Name, Address, Stamp
GP Contract ID (Payments):

Client ID:	PPS No.:
Child's name:	
Child's DOB:	Male Female
Address:	
Parent/Legal Guardian:	
Name:	
DOB:	
PPS No.:	
Contact Number:	



I consent to have the above named child vaccinated against the diseases named below. I have been made aware by my General Practitioner of any possible adverse reactions to these vaccines. (Please tick as appropriate).

6 in 1 (incorporates Diphtheria, Tetanus, Whooping Cough, Polio, Haemophilus Influenza B, Hepatitis B): Meningococcal C:

Pneumococcal: Other: _____ Other _____

Signature: Date:
(*Parent/Legal Guardian)

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

	Date Given dd/mm/yy	Batch No.	Expiry Date Month/Year	Manufacturer	Dose	Site Given	Vaccinator's Signature
6 in 1 (3rd Dose)							
PCV (2nd Dose)							
Men C (2nd Dose)							
Other							

Doctor's Signature: _____ GP Contract ID No: _____

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

	Date Given dd/mm/yy	Batch No.	Expiry Date Month/Year	Manufacturer	Dose	Site Given	Vaccinator's Signature
6 in 1 (2nd Dose)							
Men C (1st Dose)							
Other							

Doctor's Signature: _____ GP Contract ID No: _____

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

	Date Given dd/mm/yy	Batch No.	Expiry Date Month/Year	Manufacturer	Dose	Site Given	Vaccinator's Signature
6 in 1 (1st Dose)							
PCV (1st Dose)							
Other							

Doctor's Signature: _____ GP Contract ID No: _____

Two Part Form: Return perforated sections on completion of each visit, to your local child health office.

Primary Childhood Immunisation Record/Return Form 1b (12, 13 months of age)

RETURN FORM to:

GP INSTRUCTIONS: PLEASE USE A BALLPOINT PEN and APPLY AMPLE PRESSURE TO PRODUCE CLEAR DETAILS ON ALL COPIES OF THIS SET. TO ENABLE PROMPT PAYMENT PLEASE RETURN TO YOUR LOCAL CHILD HEALTH OFFICE AS SOON AS POSSIBLE FOLLOWING VACCINATION. (RETAIN Final PART).

GP Practice Name, Address, Stamp
GP Contract ID (Payments):

Client ID:	PPS No.:
Child's name:	
Child's DOB:	Male Female
Address:	
Parent/Legal Guardian:	
Name:	
DOB:	
PPS No.:	
Contact Number:	



I consent to have the above named child vaccinated against the diseases named below. I have been made aware by my General Practitioner of any possible adverse reactions to these vaccines. (Please tick as appropriate).

MMR: Pneumococcal: Meningococcal C: Haemophilus Influenza B:

Other: _____ Other _____

Signature: Date:/...../.....
(*Parent/Legal Guardian)

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

Reason Given	Vaccine Name	Batch No.	Expiry Date Month/Year	Dose	Site Given	Date Given dd/mm/yy	Vaccinator's Signature

Doctor's Signature: _____ GP Contract ID No: _____

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

	Date Given dd/mm/yy	Batch No.	Expiry Date Month/Year	Manufacturer	Dose	Site Given	Vaccinator's Signature
Hib Booster							
Men C (3rd Dose)							
Other							

Doctor's Signature: _____ GP Contract ID No: _____

Child's Forename/Surname: _____ DOB: _____ Client ID: _____

	Date Given dd/mm/yy	Batch No.	Expiry Date Month/Year	Manufacturer	Dose	Site Given	Vaccinator's Signature
PCV (3rd Dose)							
MMR							
Other							

Doctor's Signature: _____ GP Contract ID No: _____

Two Part Form: Return perforated sections on completion of each visit, to your local child health office.



Reminders

- A reminder letter is generated if a child has not received their vaccine a month after it's due date.
- Reminder letters generate at each vaccine stage if applicable.
- Nationally agreed template for reminder letters.

Opportunistic Vaccinations

- When child presents, registers or transfers into an area, no pre-printed vaccination return forms will generate unless nominated GP defined.
- If child moves to different GP practice, the opportunistic form can also be used



Late for Vaccines

When a vaccination return form is not received **3 months** after the child's due date for primary childhood immunisation, the child's name will appear on a **defaulters list**



What is a defaulter?

- A Child who has failed to turn up for **all or part** of their vaccinations and whose parents /guardian has **not indicated in writing or verbally** that they do not wish to be vaccinated
- Many reasons for defaulting
 - Fear/ Media info/ lack of information/illness
 - Left area?/ Left GP/ too busy, work or other pressure
 - No reason

Quarterly defaulter lists/Cohort lists

- Each quarter a list is sent to GP practices of current 12 and 24 month children that have not presented for vaccinations.
- This is the cohort of children we are looking at /reporting on, but is not the full list of all children not vaccinated.



Defaulter follow up

- Generated for PHN every 6wks/2 months for younger children before a list goes to GP.
- 3 month after scheduled vaccine date
- GP notification of defaulter
- ADPHN/Clerical Officer follow up with GP practice /PHN
- All returns and outcome of intervention documented on database

In the ideal world

- Allow 1 month – send reminder letter from practice
- No contact –phone/Text. NB keep up to date mobile no
- No contact – opportunistic vaccination /IT alert
- No contact –sign refusal form
- Use positive messages all the time
- Send returns each week in pre-printed envelopes.

Movements *In /Out*



- Public Health Nurses complete transfer of records form on becoming aware of movement *in/out*.
- GP/ Practice nurse to notify Immunisation Office when a child moves *in/out* of a practice.
- Change of address and change in circumstances can be written on defaulter lists and returned.
- Problems arise with families with no forwarding address



Refusal

Where a parent/guardian refuses to have a child vaccinated, the standard refusal form should be completed and returned to the Child health immunisation dept

Death of a Child

In case of the death of a child, the PHN / GP practice nurse to submit notification of death form.

School schedule



HSE- South East

Primary Schools:

- 4-in-1 and MMR in junior infants
- mop up clinics at planned stages.
- BCG – (Neonatal programme *ongoing*) and older children *via clinics*.

Secondary Schools:

- Tdap - 1st year secondary school children.
- HPV to girls in 1st year & 6th year
- MMR campaign



Carlow/Kilkenny LHO

- Grade 4 Clerical Officer
Siobhan Hennessy 056-7784670
- ADPHN (Immunisation)
Margaret Fogarty 056- 8831306

Waterford LHO

- Grade 4 Clerical Officer
Caroline McGrath 051-842908
- ADPHN (Immunisation)
Ursula Murray 051- 842903

South Tipperary LHO

- Grade 4 Clerical Officer
Siobhan McCall 052-6177246
- ADPHN (Immunisation)
Edel Conway 052-6177143

Wexford LHO

- Grade 4 Clerical Officer
Susan O'Hara 053- 9123522
- ADPHN (Immunisation)
Marie Rafter 053- 9243290



Benefits of an IT system

Birth Recording

- Records all birth details as per notification received from Maternity Hospitals (36 hr forms) e.g. Birth weight, Apgar at 1min, Apgar at 5 mins, etc.
- IT system records name of nominated GP (attained via 'forename form' from PHN post newborn visit. Other data on this form which is relevant for IT system include:
 - Parental consent for newborn Blood Spot Screening
 - Record of the results of newborn blood spot screening.
 - Produces labels with client details.
 - Records PHN of child
 - Provides statistics on number seen within a particular time-frame.
 - Automatically schedules first vaccines due for child when birth details recorded (age dependant).
 - Establishes cohorts for vaccine uptake rates.
 - Provides lists of clients for PHN follow-up.

Benefits of an IT system Vaccination/Immunisation



- Single source of Primary Vaccination Details in the South East - almost 19 years of vaccination data at this point
- Detailed call/recall system for all PCI vaccines
- Sharing and visibility of data – many views of data
- Provides a standard approach to how the service is delivered, e.g. do the same thing at the same time across all sites
- In-built rules ensure veracity of vaccines administered, e.g.
 - Pre-loading of actual vaccine batch number & expiry date, means immediate flagging on screen to user if vaccine “expired”.
- If vaccine administered outside of defined window, vaccine flagged as “too soon” on screen to user.
 - Both scenarios result in the original vaccine remaining as “pending” on the system.
 - No payment issues to the GP as vaccine not deemed to be valid

Benefits of an IT system Vaccination/Immunisation



- Listings for PHN's, GP's, Public Health staff
- Generates payments to GP for vaccinations given.
- Records detailed payment records for each child.
- Generates bonus payments to GP's who obtain the required 95% vaccination rate.
- Can help identify children in an outbreak situation who may require vaccination.
- Quickly identify any children who received a particular batch of vaccine
- Provides uptake statistics – reported nationally
- Completion cards for parents of all vaccines given.

What's next?



Note: since 31st July 2011-Unique Personal Identifier (UPI)
available to enable better data sharing

Development of a single national Immunisation system

- Implement a centrally hosted IT system to support routine immunisation.
- This system could cater for other immunisation/vaccinations, including opportunistic, travel-related and in response to specific health situations.

Better linkages to other systems – e.g.

- GRO – Births, Deaths & Marriages info
- PCRS – Primary Care Re-imburement Service - GP contract details
- GP Practice Management Systems – to avoid duplication of data entry
- Department of Education – school class lists
- Data Protection Issues!!!



The End!

Further Information

- [www.immunisation .ie](http://www.immunisation.ie)
- www.hpsc.ie
- www.who.int
- www.immunisation.org.uk
- www.ich.ucl.ac.uk

References

- Immunisation Guidelines for Ireland (2008)
- <http://www.immunisation.ie/en/HealthcareProfessionals/ImmunisationGuidelines2008>
- A Practical Guide to Immunisation, National Immunisation Office (2008). <http://www.immunisation.ie/en/HealthcareProfessionals/TrainingManual/>