

National Childhood Immunisation Schedule and Late entrants



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Objectives

To outline

- how new vaccines are added to the National Schedule
- the Primary Childhood Immunisation Schedule and recent changes
- the School Immunisation Schedule and recent changes
- issues regarding immunisation for premature babies
- immunisation for late entrants to the immunisation programme



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Vaccine Policy

- Vaccination policies vary by country and are dependent on
 - local epidemiology
 - new developments
 - available resources
- National Expert Committees make recommendations
 - e.g. NIAC (Ireland)
 - JCVI (UK)



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National Immunisation Guidelines

- Produced by the National Immunisation Advisory Committee (NIAC)
- Based on
 - best evidence regarding the safety and efficacy of vaccines
 - the disease burden (frequency, severity, etc.)
 - pharmacoeconomic analyses



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Dates vaccines introduced into the Irish immunisation schedule

1937 - 1999	
Vaccine	Date introduced into Ireland
1. BCG	First began 1937 Introduced nationally 1949
2. DT	1930s
3. DTP	1952-1953
4. Oral Polio Vaccine (OPV)	1957
5. Rubella	October 1971-1972
6. Measles	October 1985
7. MMR	October 1988
8. MMR2	1992
9. Hib	October 1992

2000 - 2011	
Vaccine	Date introduced into Ireland
1. Men C	October 2000
2. DTaP-Hib-IPV (5 in1)	July 2001
3. Inactivated Polio (IPV)	2001
4. Hib Booster	September 2006
5. Hepatitis B (as part of 6 in 1)	September 2008
6. PCV7	September 2008
7. HPV	May 2010
8. PCV 13	December 2010



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Current infant schedule

- Birth BCG
- 2 months 6 in 1 + PCV
- 4 months 6 in 1 + Men C
- 6 months 6 in 1 + Men C+ PCV

- 12 months MMR + PCV
- 13 months Men C + Hib

6 in 1 contains vaccines against

Diphtheria
Tetanus
Pertussis (whooping cough)
Polio
Haemophilus influenza B (Hib)
Hepatitis B

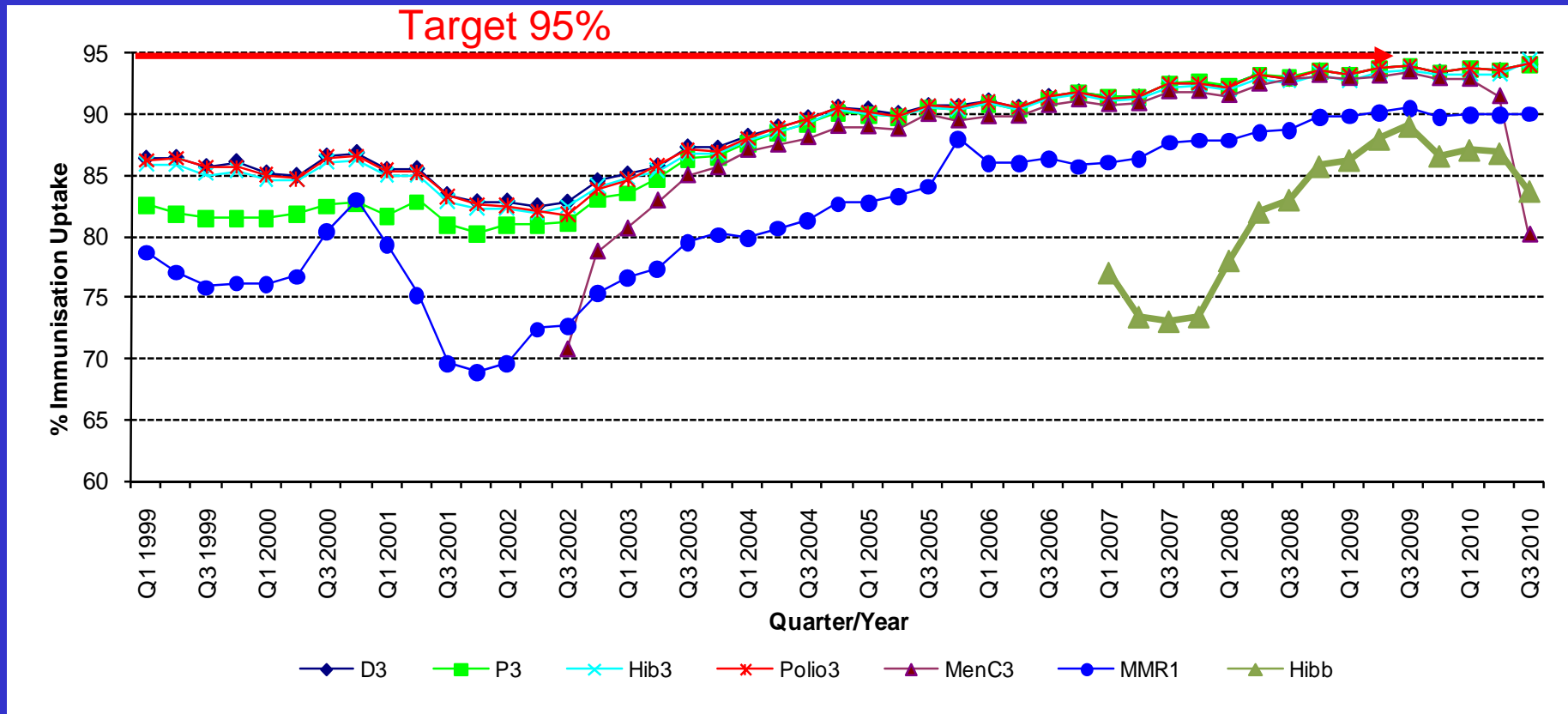


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Vaccine uptake rate at 24 months 2000-2010



Source: HPSC

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Decline in vaccine uptakes Q3 2010

- 3rd dose of Men C
 - 93% Q1 2010 80% Q3 2010
- 3rd dose of PCV
 - 88% Q3 2010 (first time to be reported)
- 4th dose (booster) Hib
 - 89% Q3 2009 84%Q3 2010



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Decline in vaccine uptakes Q3 2010

- ? Change in schedule -> confusion
- ? 5th visit -> parents choosing some vaccines
- ? IT systems -> incorrect or delayed recording



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Decline in vaccine uptakes Q3 2010

The National Immunisation Advisory Committee has recommended

- certain vaccines be given at specific ages to make sure babies are protected from serious diseases **at the age when they are most vulnerable**
- 5 visits to ensure babies are fully protected from these diseases
- adherence to vaccine schedule
 - three vaccines to be given at the 6 month visit
 - give 6 in1 and Men C in the same limb
(different sites and 2.5cms apart)
 - give PCV in the other limb.



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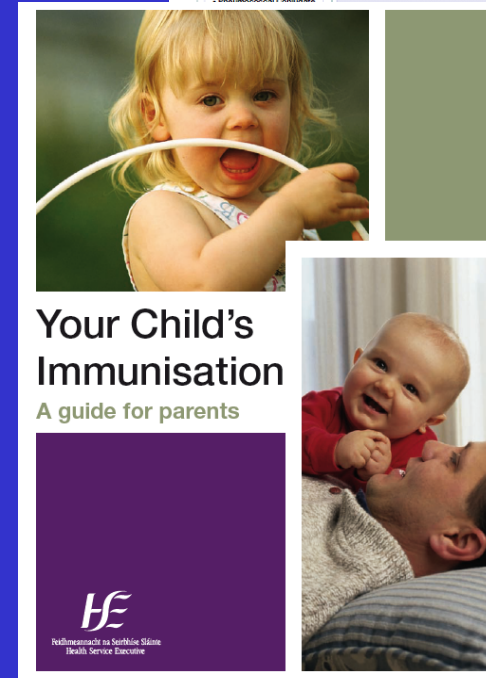


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Decline in vaccine uptakes Q3 2010

Actions

- Change to parents letter at 12 months to highlight importance of receiving 4th and 5th visits
- Communication with GPs/practice nurses
- Newsletter
- Revision of “Your Child’s Immunisation”
- Focus group testing with parents
- Posters/ leaflets/ website
- Posters to crèches



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Decline in vaccine uptakes Q3 2010

Actions

- Let parents know their child needs **5 visits** to ensure that they receive the full immunisation schedule and that they are fully protected against these important diseases
- Remind parents of this at every opportunity
- Send a text reminder prior to all appointments (especially the 4th & the 5th visit)
- Give an appointment for the 5th visit at the end of the 4th visit.
- Follow up any defaulters as soon as possible
- Make sure vaccine returns are sent to your local immunisation office on time
- Defaulters need all the appropriate vaccines even if they are over the recommended age*

*http://www.immunisation.ie/en/HealthcareProfessionals/Guidelinesforlateentrants/PDFFile_9494_en.pdf



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School immunisation schedule

Age	Vaccine
4 -5 years	4 in 1 MMR
Girls in 1st year of second level school	HPV (3 doses)
11-14 years	dT / dTap (as per NIAC)

4 in 1 Diphtheria
 Tetanus
 Pertussis
 Polio

HPV Human Papillomavirus vaccine

dT Low dose diphtheria/tetanus

dTap Low dose diphtheria/tetanus/low dose pertussis

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HPV Vaccine

- Introduced September 2010
- 3 dose schedule (Gardasil)
- 0, 2 and 6 months
- Target of 80% uptake for 3 dose schedule



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Pertussis

- Documented waning immunity to pertussis in adolescence and adults
- Tdap booster recommended by NIAC (not introduced in 2010)



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Premature Babies

- More at risk from Vaccine-preventable diseases
- Should have vaccinations carried out according to their birth date (chronological age)
- May start their vaccinations in hospital



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Defaulters

- Interrupted immunisation courses
- No need to repeat the course (regardless of the time interval)
- Complete the course if age appropriate (with the same brand of vaccine)



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Late entrants

- Children who are not immunised and are older than the recommended age range should be immunised as soon as possible.
- The vaccines and the number of doses required depends on the child's age.
- New national guidelines issued in August 2010

www.immunisation.ie/en/HealthcareProfessionals/Guidelinesforlateentrants/PDFFile_9494_en.pdf



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Late entrants

No reliable documentation



Assume to be unimmunised



Start on age appropriate catch up programme



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Late entrants

	4 mths to <12 mths	12 mths to < 4 yrs	4 – <10 yrs	10 yrs and over
BCG	Up to age 15 years (35 years if in high risk group)			
6 in 1 (DTaP/IPV/Hib/Hep B)	3 doses at 2 month intervals			
Men C	2 doses at 2 month intervals	1 dose (up to 23 years of age)		
PCV	2 doses at 2 month intervals	1 dose (omit if >2 years of age)		
MMR		1 dose	2 doses at 1 month intervals	2 doses at 1 month intervals
Boostrix IPV (Tdap/IPV)				3 doses at 1 month intervals



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Late entrants

- BCG up to 16 years
- PCV up to 2 years
- 6 in 1 up to age 10 years
- Boostrix/IPV (Tdap/IPV) 10 years and older
- Men C up to 23 years
- MMR up to adult



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Late entrants

- Hib
 - 1 dose of single Hib vaccine for children over 12 months of age and up to 10 years of age if this is the only vaccine they require
- PCV
 - should be given to at risk children aged 24-59 months.





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WWW immunisation



Who we are

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[HPV Programme](#)

[Adult Immunisation](#)

[Healthcare Professionals](#)

[Vaccine Ordering and Storage](#)

[Leaflet Translations](#)

[Ordering Materials](#)

[FAQs](#)

[Publications](#)

[Glossary](#)

[National Conferences](#)

[Useful Websites](#)

[** Whats New **](#)

Welcome to the Health Service Executive Immunisation Website

This site provides information on immunisation for the General Public and Healthcare Professionals



Childhood Immunisation



Adult Immunisation



Healthcare Professionals

[Click on the link to view Vaccination records](#)



[Primary Immunisation Schedule](#)



Hot Topic

[Childhood Vaccine Uptake Rates](#)

[Seasonal Influenza Campaign 2010/2011](#)

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Useful resources

- Advisory Committee on Immunization Practices (USA) www.cdc.gov/vaccines/recs/acip/
- American Academy of Paediatrics. 2009 Report of the Committee on Infectious Diseases – The Red Book. www.aapredbook.aappublications.org/
- Australian Immunisation Handbook, Ninth Edition 2008. www.health.gov.au/internet/immunise/publishing.nsf/Content/Handbook-home
- Canadian Immunisation Guide Seventh Edition 2006. www.phac-aspc.gc.ca/publicat/cig-gci/index-eng.php
- Centre for Disease Control Epidemiology and Prevention of Vaccine-Preventable Diseases Pink book 11th edition www.cdc.gov/vaccines/pubs/pinkbook/default.htm
- Department of Health UK. November 2006. Immunisation against infectious disease. www.dh.gov.uk/en/Policyandguidance/Healthandsocialcaretopics/Greenbook/DH_4097254
- EUVACNET www.euvac.net/graphics/euvac/index.html
- Health Protection Agency UK. www.hpa.org.uk/
- Health Protection Surveillance Centre, Ireland. www.hpsc.ie
- Joint Committee on Vaccination and Immunisation UK. www.dh.gov.uk/ab/jcvi/index.htm
- Royal College of Physicians of Ireland. Immunisation Guidelines for Ireland. Available at www.rcpi.ie or www.immunisation.ie or www.hpsc.ie

Immunisation schedules

- World Health Organisation. www.who.int/vaccines/GlobalSummary/Immunization/ScheduleSelect.cfm
- Europe- EUVACNET www.euvac.net/graphics/euvac/index.html



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