

Current National Immunisation Schedule 2012

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National Immunisation Office



www.immunisation.ie

Objectives

- To outline immunisation schedules in Ireland
 - Primary childhood schedule
 - Vaccine uptake rates
 - School immunisation programme
 - Seasonal influenza vaccination programme
- To highlight development of new vaccines



: Dates vaccines introduced into the Irish immunisation schedule

1937 - 1999	
MMR2	1992
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

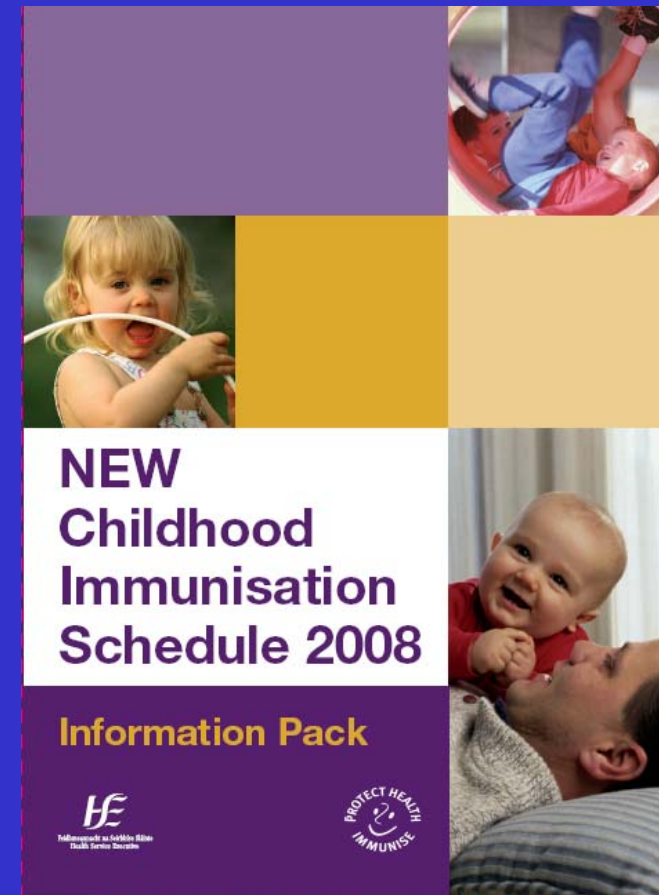


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Primary Childhood Immunisation (PCI) Schedule

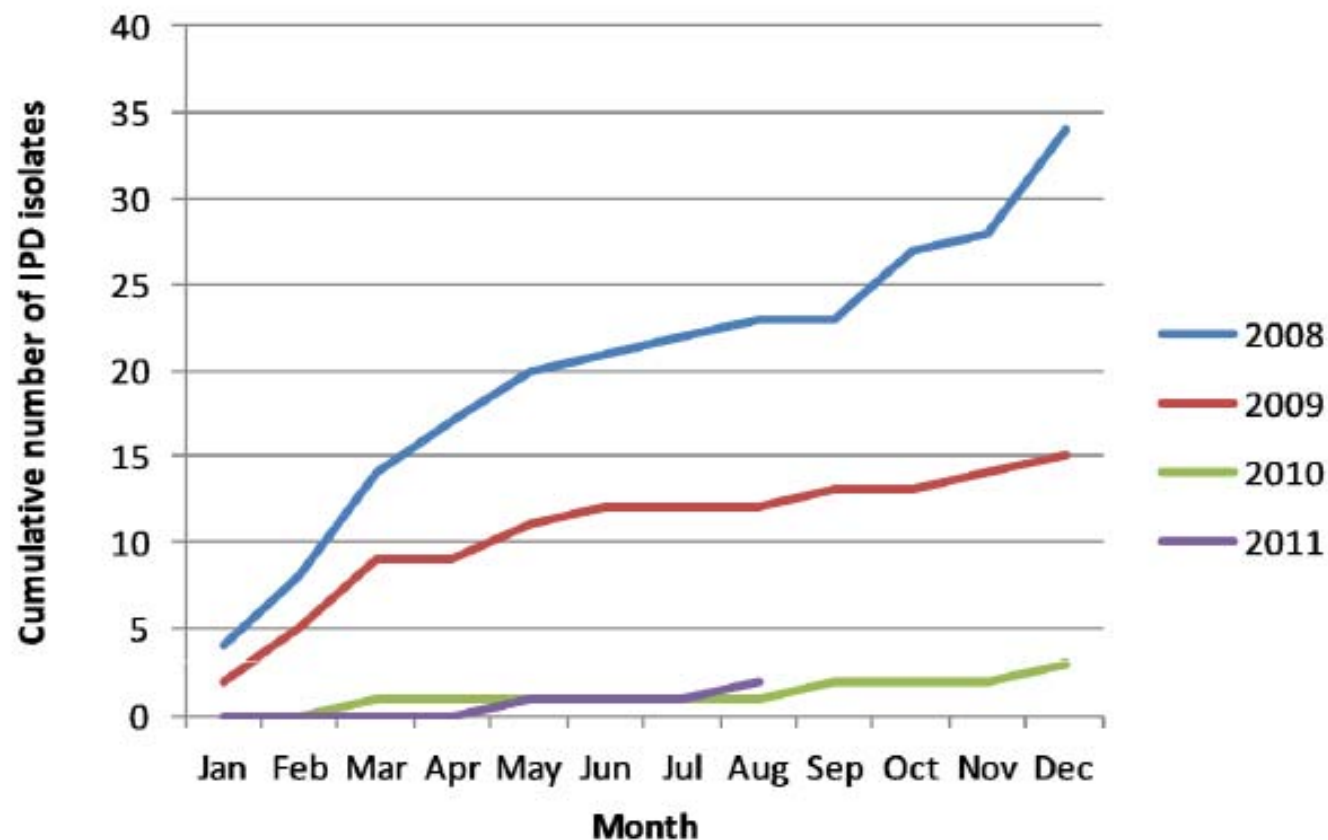
- Birth BCG
- 2 months 6 in 1 + PCV*
- 4 months 6 in 1 + Men C
- 6 months 6 in 1 + PCV + Men C
- 12 months MMR + PCV
- 13 months Men C + Hib

* PCV 7 introduced in September 2008
PCV13 introduced in December 2010



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Impact of PCV on the burden of IPD caused by PCV7 vaccine serotypes in <2 year olds



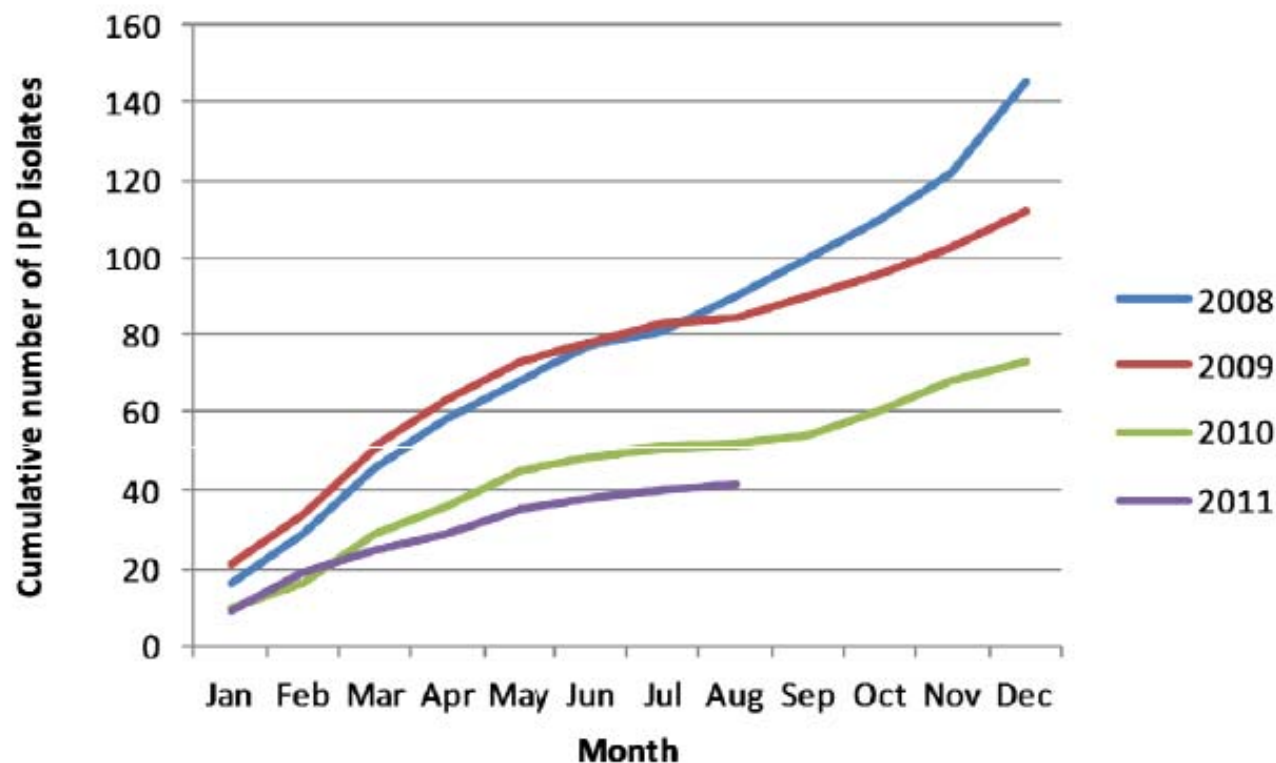
91% reduction in IPD when cumulative number of cases between Jan -Aug 2008 and 2011 are compared

Data source: IPD Typing Project



Reidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Impact of PCV on the burden of IPD caused by PCV7 vaccine serotypes in ≥ 2 year olds

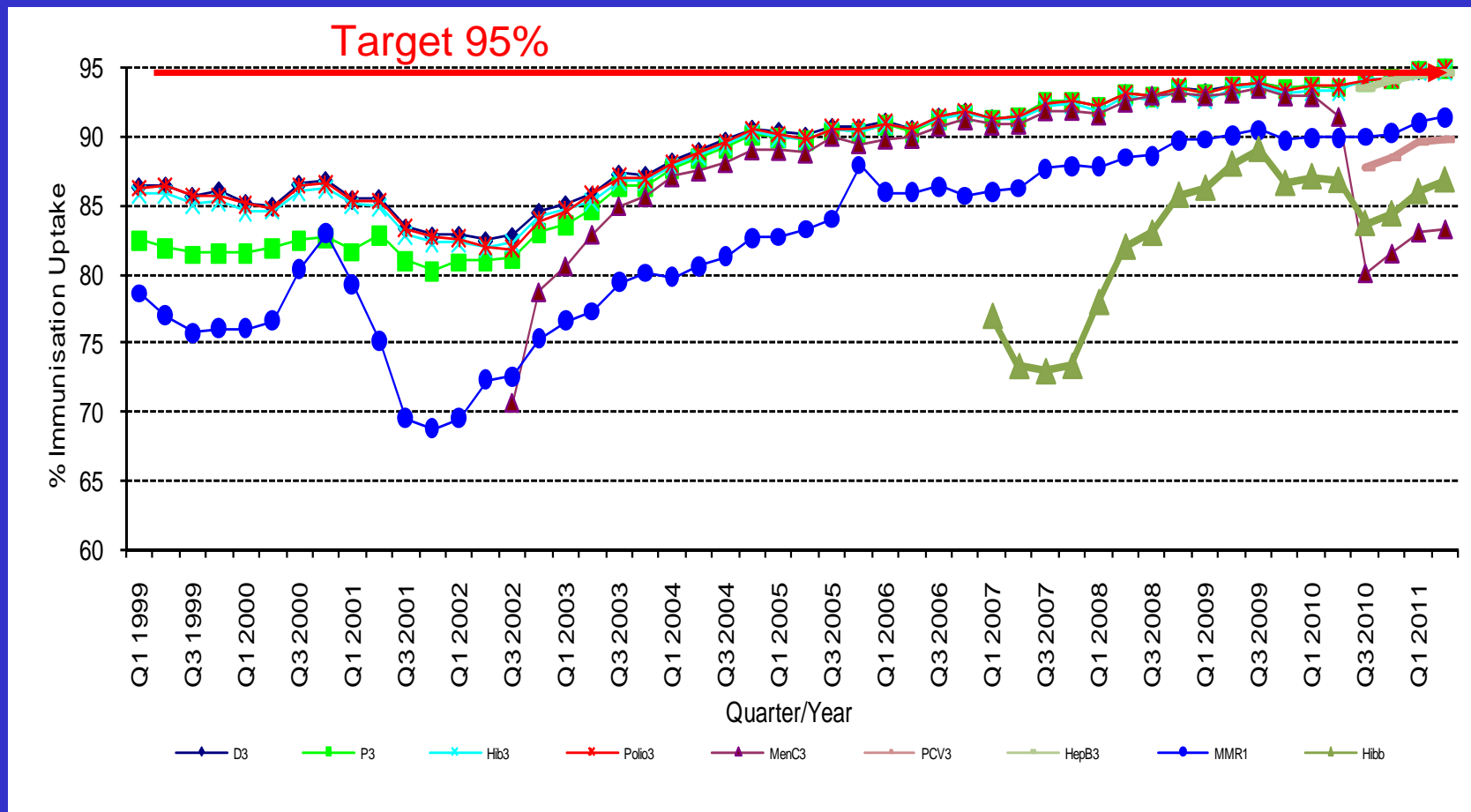


53% reduction in IPD when cumulative number of cases between Jan–Aug 2008 and Jan–Aug 2011 are compared
Data source: IPD Typing Project



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Vaccine uptake rate at 24 months 2000-2011

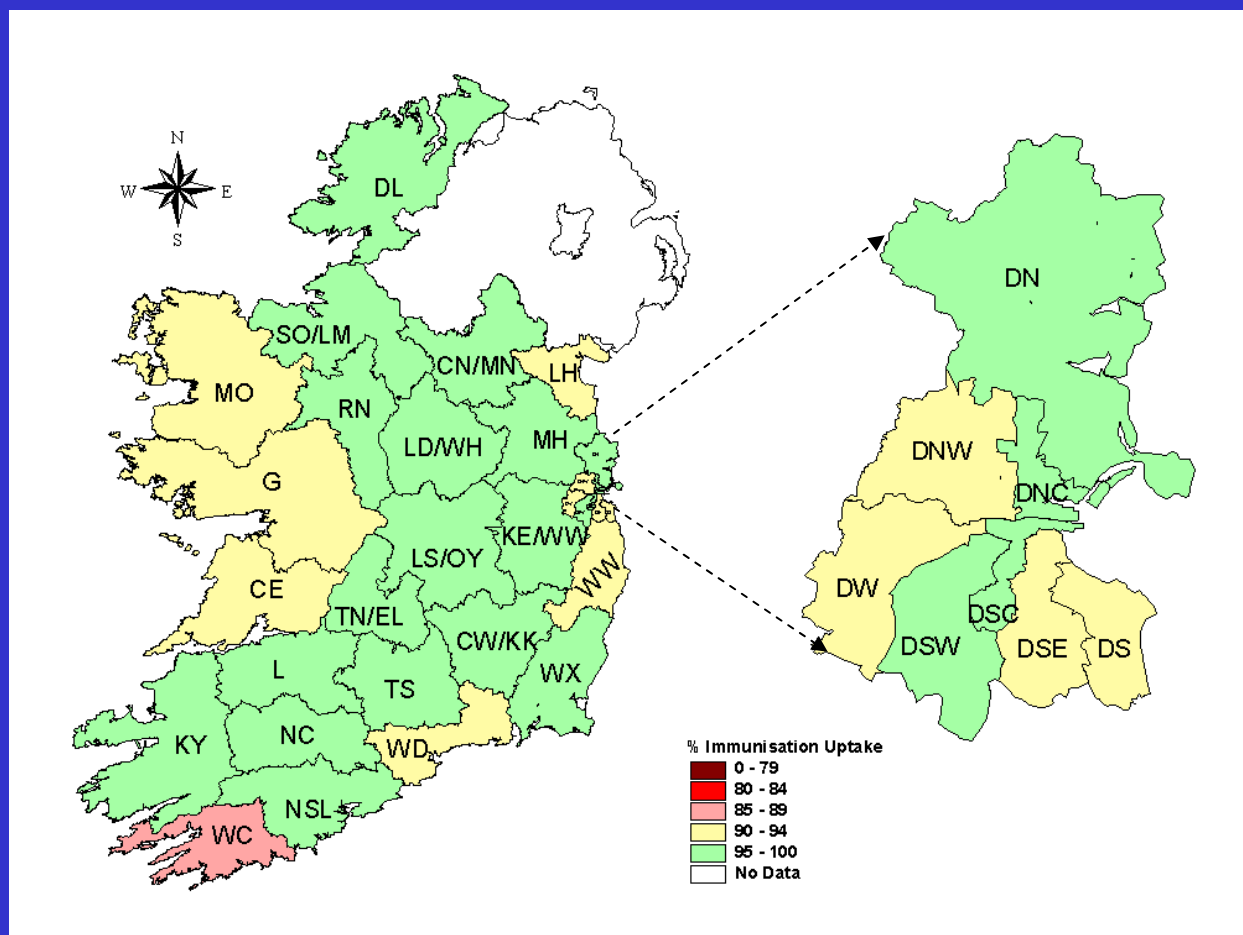


Source: HPSC

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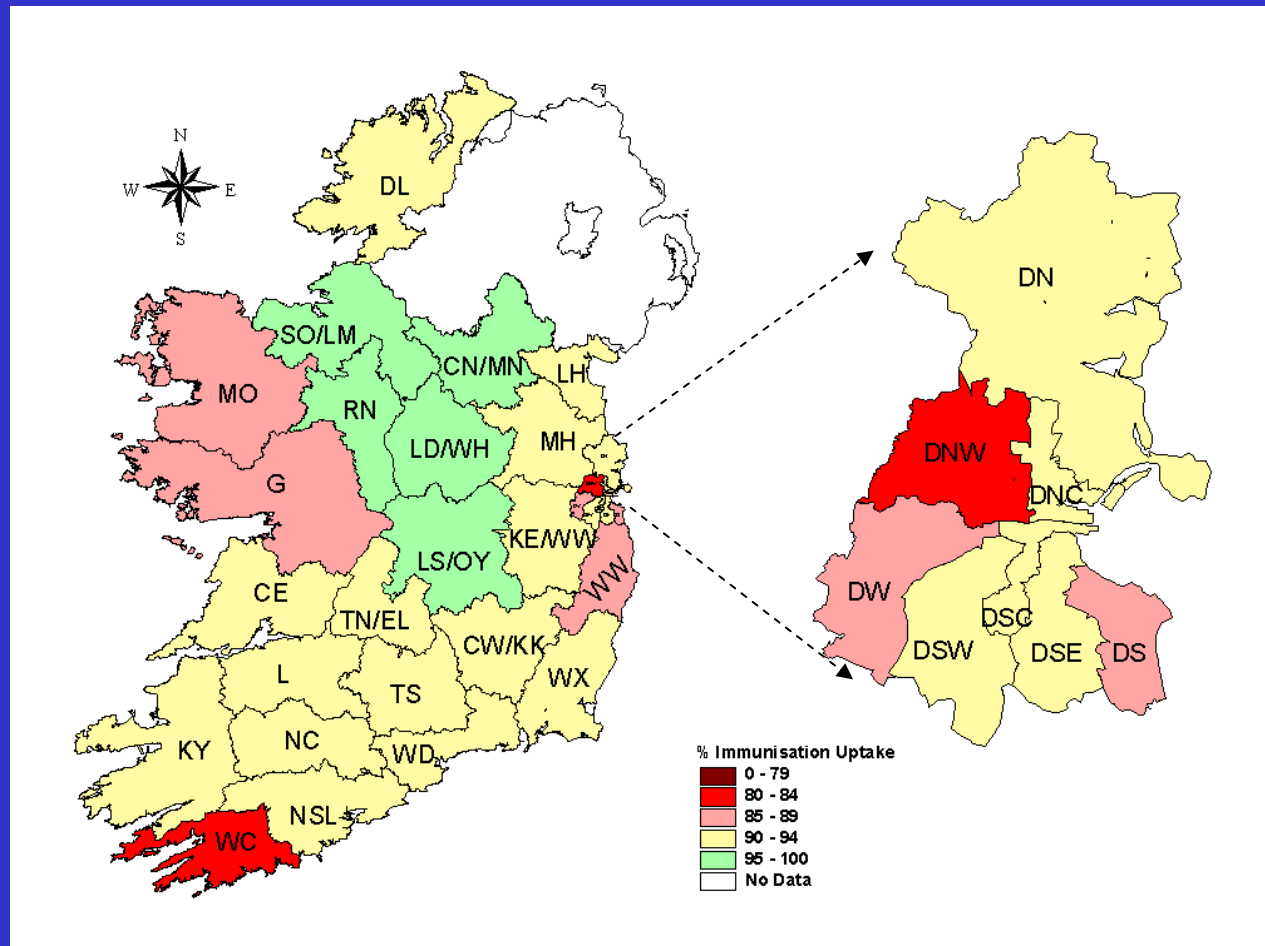


Quarter 2 2011 D3 immunisation uptake rates (%) by LHO, in those 24 months of age in Ireland and Dublin (source HPSC)

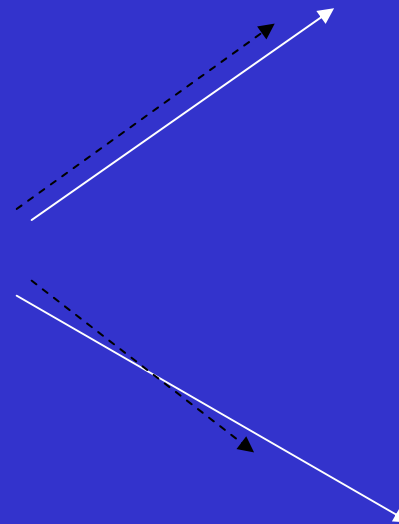


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Quarter 2 2011 MMR immunisation uptake rates (%) by LHO, in those 24 months of age in Ireland and Dublin (source HPSC)



Quarter 2 2011 MMR immunisation uptake rates (%) by LHO, in those 24 months of age in Ireland and Dublin (source HPSC)

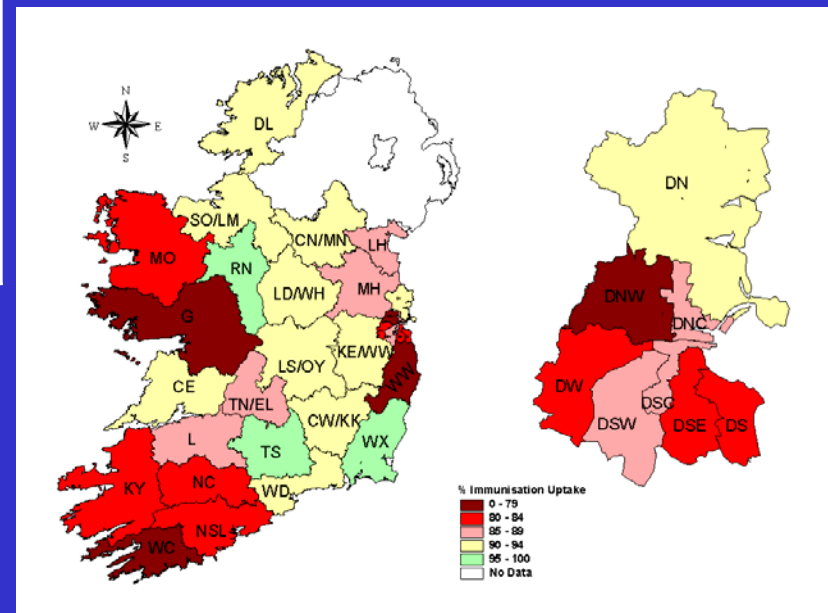


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Decline in vaccine uptakes

	Q1 2010	Q3 2010	Q2 2011
Men C ₃	93%	80%	83%
PCV ₃	-	88%	90%
Hib _b (booster dose)	89%	84%	87%

Quarter 2 2011 Men C₃ immunisation uptake rates (%) by LHO, in those 24 months of age in Ireland and Dublin (source HPSC)



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Decline in vaccine uptakes 2010

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



Decline in vaccine uptakes 2010

The National Immunisation Advisory Committee has recommended

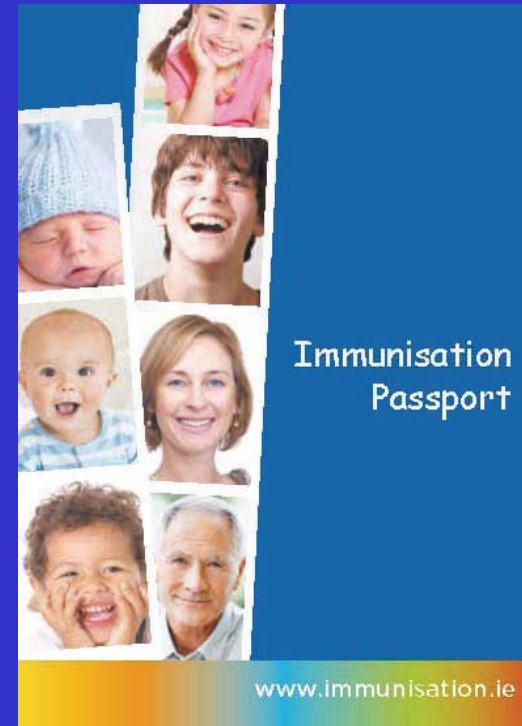
- certain vaccines be given at specific ages to make sure babies are protected from serious diseases **at the age when they are most vulnerable**
- 5 visits to ensure babies are fully protected from these diseases
- adherence to vaccine schedule
 - three vaccines to be given at the 6 month visit
 - give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



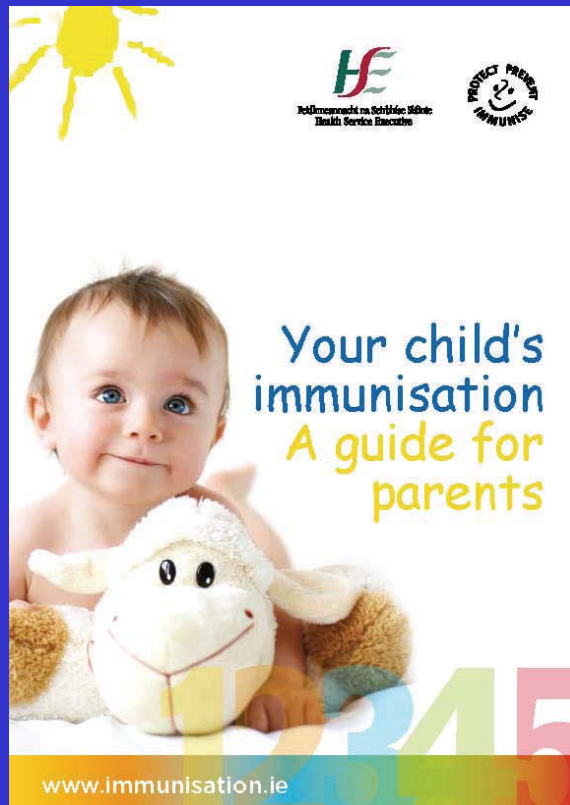
Decline in vaccine uptakes 2010

Actions

- Change to parents letter at 12 months to highlight importance of receiving 4th and 5th visits
- Communication with GPs/practice nurses
- Newsletter
- Focus group testing with parents



Decline in vaccine uptakes 2010



Primary Childhood Immunisation Schedule

AGE	WHERE	VACCINATION
At Birth	Hospital or HSE Clinic	BCG
2 Months	GP	6 in 1 + PCV
4 Months	GP	6 in 1 + Men C
6 Months	GP	6 in 1 + PCV + Men C
12 Months	GP	MMR + PCV
13 Months	GP	Men C + Hib

Remember
Your child needs **5** GP visits.
Bring your child's immunisation passport to each visit.

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Decline in vaccine uptakes 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



School Immunisation Schedule

Age (years)	Vaccine
4 -5	4 in 1 MMR
11-14	dTap
12 (girls only)	HPV (3 dose schedule)

4 in1 Diphtheria
 Tetanus
 Pertussis
 Polio

dTap Low dose diphtheria/tetanus/low dose pertussis

HPV Human Papilloma Virus



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2011/2012 School Immunisation Schedule

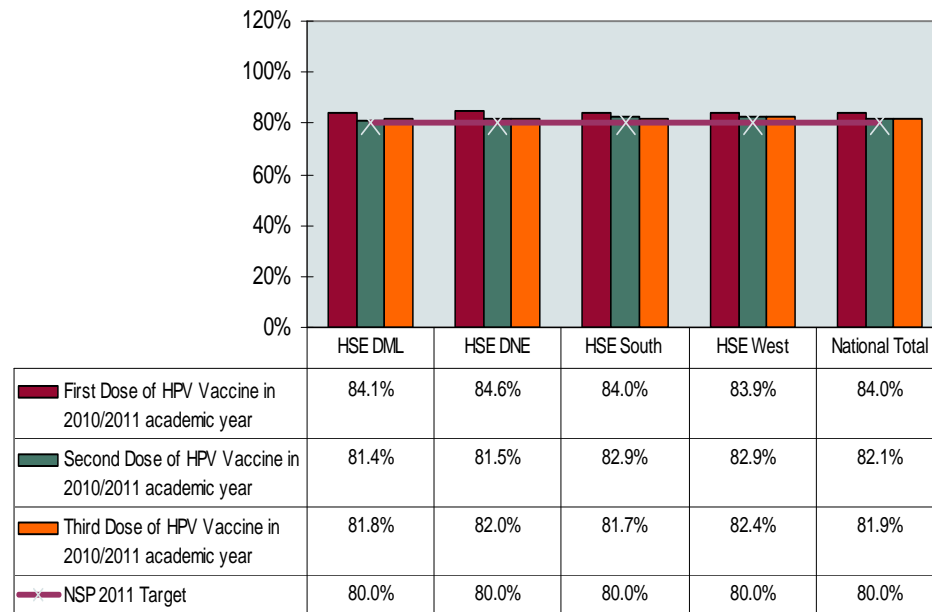
- Introduction of Tdap in 1st year
- Given with 3rd dose of HPV (for girls)
- Phased basis



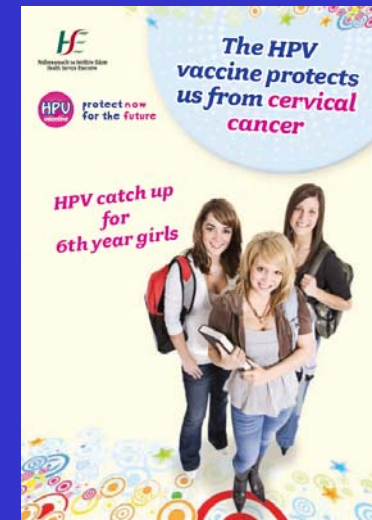
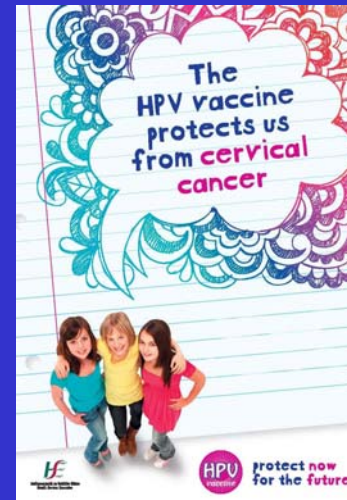
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HPV Vaccination Programme

% of First and Second Year Girls who Received the Third Dose of HPV Vaccine in 2010/2011 Academic Year
(Data provided by National Immunisation Office)



- HPV catch programme for all 6th year girls for next three years until 2013/2014



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Seasonal influenza vaccination programme 2011/2012

Daily Irish Mail Date 16 January 2012
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First flu patient admitted to critical care as cases reach 660 in one week

By **Petrina Vousden**
Health Editor

THE first flu case of the season to be admitted to critical care was confirmed last week as the number of cases of the virus begins to rise.

Details from the Health Protection Surveillance Centre show there were about 660 cases of flu reported in the first week of the year or 15 cases for every 100,000 people.

This compares to 308, or seven cases per 100,000 people, the previous week.

Although the number doubled, it is dramatically lower than levels in the first week of January 2011 when about 8,976 cases of flu were recorded – 204 cases for every 100,000 people.

As well as a patient being admitted to critical care with the flu, three other patients were hospitalised with flu strain influenza A. There have been no reports of flu-related deaths this flu season.

The highest rates of flu are currently

**10 DAYS
OF HEADACHES,
FEVER AND
MUSCLE PAIN.**

OR
**A TEN
SECOND
FLU SHOT.**

Vaccination is the only protection.

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BE SURE. BE SAFE. VACCINATE.

 **Reidhmeannacht na Seirbhíse Sláinte**
Health Service Executive

- Annual campaign
- Season continues until end of April
- Continue to offer vaccine to those in at risk groups
(especially newly pregnant women)



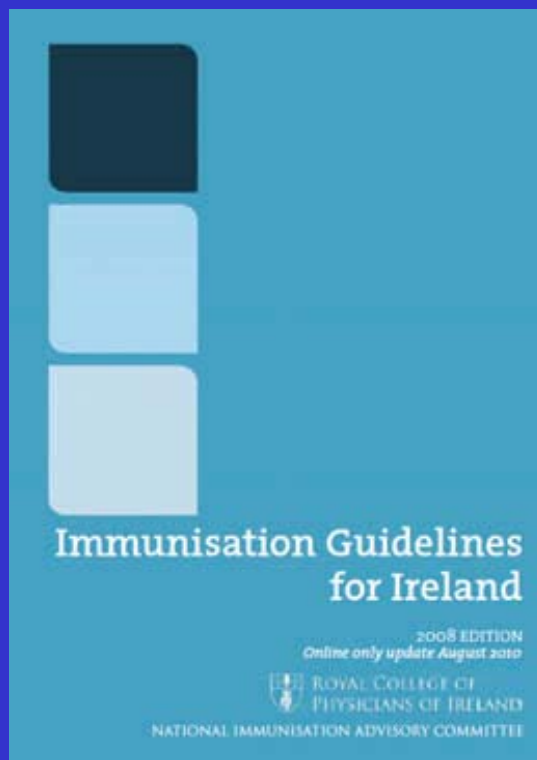
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New vaccines

- Rotavirus
- Varicella
- Meningococcal Group B



Updates Immunisation Guidelines



HPV

Influenza

Meningococcal

Rotavirus

<http://www.immunisation.ie/en/HealthcareProfessionals/ImmunisationGuidelines2008/>



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Welcome to the Health Service Executive Immunisation Website

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



Childhood
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Hot Topic

The first year of HPV vaccination programme has 82% uptake

Seasonal Influenza Vaccine

Measles cases rise in Ireland and over 30,000 Measles cases in Europe in 2011