

Summary

In Quarter 4-2005, national immunisation uptake rates in children 12 months of age increased by 1% when compared with Q3-2005. Uptake rates in Q4-2005 for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 87%. Uptake of BCG was 93%.

At 24 months, national immunisation uptake rates for D₃, T₃, P₃ and Polio₃ remained unchanged when compared with the previous quarter. Uptake of Hib₃ and MenC₃ decreased by 1% compared to Q3-2005. Uptake rates at 24 months, in Q4-2005, for D₃, T₃ and Polio₃ were 91%. P₃ and Hib₃ uptake was 90% while MenC₃ uptake was 89%. In Q4-2005 data on MMR₁ uptake was only available for seven of the eight HSE-Areas. These areas cover approximately two-thirds of the Q4-2005 birth cohort. Where data were available, uptake was 88% for MMR₁.

Trends at 12 months

Figure 1 presents the national uptake rates at 12 months for each vaccine from Q3-2000 to Q4-2005. National uptake rates for all antigens at 12 months in Q4-2005 increased by 1% when compared to the previous quarter. HSE-E reported an increase of 2% in uptake rates for all antigens at 12 months compared to Q3-2005. HSE-MW and HSE-S reported increases of 1% in all antigens (except BCG). HSE-M reported a 1% decrease in all antigens compared with the previous quarter.

Internationally

Vaccination coverage statistics for children 12 months of age in Quarter 4-2005 were 95-96% in Northern Ireland, 95% in Wales and 96% in Scotland.¹

Introduction

The immunisation uptake statistics presented in this report relate to children 12 and 24 months of age in Quarter 4-2005 and who have received three doses of vaccines against diphtheria (D₃), pertussis (P₃), tetanus (T₃), *Haemophilus influenzae* type b (Hib₃), polio (Polio₃), meningococcal group C (MenC₃), one dose of vaccine against measles, mumps and rubella (MMR₁; uptake at 24 months only) and one dose of BCG vaccine (BCG; uptake at 12 months only). These statistics therefore relate to uptake in the cohorts born between 01/10/2004 & 31/12/2004 and 01/10/2003 & 31/10/2003.

Immunisation uptake at 12 months

Immunisation uptake rates in children 12 months of age in Q4-2005 are presented (Table 1). National uptake rates for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 87%. This was the highest uptake at 12 months reported since the collation of these statistics commenced five years ago. In Q4-2005 the highest uptake rates for these vaccines at 12 months were reported by the HSE-M (92%) while the lowest rates were reported in the HSE-E (84%).

Quarter 4-2005 is the tenth-quarter where uptake statistics for BCG vaccination are presented. Data are available for five of the eight HSE-Areas (data from HSE-S relates to Kerry CCA only). These areas cover only a third of the Q4-2005 birth cohort. Where data were available, national uptake was 93% for the BCG vaccination. This represents a 1% increase on the figure reported in Q3-2005 (92%). The target rate of 95% uptake for BCG vaccine was reached in the HSE-SE in Q4-2005.

Table 1. Immunisation uptake (%) at 12 months in cohort born 01/10/2004–31/12/2004

HSE Area	No. in cohort	BCG	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃
East	5738	na	84	84	84	84	84	84
Midland	986	88	92	92	92	92	92	92
Midwest	1263	92	88	88	88	88	88	88
Northeast	1591	na	91	90	91	91	91	90
Northwest	754	93	91	90	91	90	91	89
Southeast	1669	97*	87	87	87	87	87	87
South	2227	87 [†]	86	86	86	86	86	86
West	1394	na	88	88	88	88	88	87
Ireland	15622**	93	87	87	87	87	87	87

na = not available at this time *HSE-SE - number in cohort for BCG = 1579

[†]HSE-S - part coverage of neonatal BCG (i.e. Kerry only)

**Number in cohort for BCG vaccination = 5044

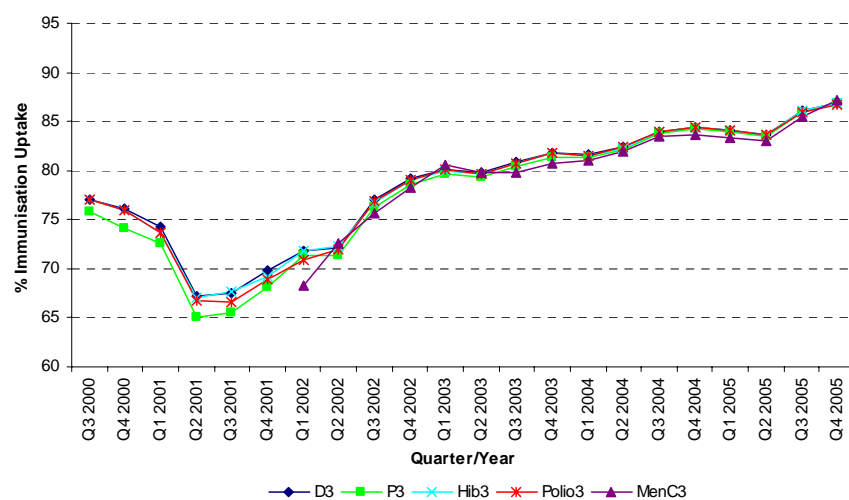


Figure 1. National quarterly immunisation uptake rates at 12 months

Immunisation uptake at 24 months

Immunisation uptake rates in children 24 months of age in Quarter 4-2005 are presented (Table 2). National uptake rates were 91% for D₃, T₃ and Polio₃, 90% for P₃ and Hib₃ and 89% for MenC₃. Uptake rates for these vaccines ranged from 87-88% in the HSE-E to 96% in the HSE-M (Table 2). The target uptake rate of 95% was reached for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ in the HSE-M. MMR₁ uptake data was only available for seven of the eight HSE-Areas in Quarter 4-2005, representing approximately two thirds of the Quarter 4-2005 birth cohort. Where data were available MMR₁ uptake was 88% nationally (Table 2). The target uptake rate of 95% was reached for MMR₁ in the HSE-M in Quarter 4-2005, this is the first time the MMR₁ target uptake of 95% was reached by any HSE-Area since the national collation of quarterly data began in Q1-1999.

Trends at 24 months

Figure 2 presents the national uptake rates at 24 months for each antigen from Q1-1999 to Q4-2005. In Q4-2005, national uptake rates for D₃, P₃, T₃, and Polio₃ remained unchanged when compared with the previous quarter. Hib₃ and MenC₃ uptake decreased by 1% compared to the previous quarter.

MMR₁ uptake

MMR₁ uptake data was only available for seven of the eight HSE-Areas in Q4-2005, representing approximately two thirds of the Q4-2005 birth cohort. Where data were available the national MMR₁ uptake rate at 24 months was 88%. The target uptake rate of 95% was reached for MMR₁ in the HSE-M in Q4-2005.

Internationally

In Q4-2005, vaccination coverage statistics at 24 months for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 96-97% in Northern Ireland, 96% in Wales and 96-97% in Scotland.¹ MMR₁ uptake was 91% in Northern Ireland and Scotland and 86% in Wales.

Conclusions

Uptake rates for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ are 4-6% below the national target rates. The target uptake rate of 95% was reached for MMR₁ in the HSE-M in Q4-2005, this is the first time the target uptake of 95% was reached by any HSE- Area since the national collation of quarterly data began in Q1-1999. MMR₁ uptake data was only available for seven of the eight HSE-Areas in Q4-2005, representing approximately two thirds of the Q4-2005 birth cohort. Where data were available the national MMR₁ uptake rate at 24 months was 88%; this is 7% below the national target rate.

Acknowledgements

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References

- COVER programme: October to December 2005. CDR Weekly 2006: 16(12). Available at: <http://www.hpa.org.uk/cdr/>

Table 2. Immunisation uptake (%) at 24 months in cohort born 01/10/2003 – 31/12/2003

HSE Area	No. in cohort	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃	MMR ₁
East	5458	88	87	88	88	88	87	na
Midland	919	96	96	96	96	96	96	95
Midwest	1244	90	90	90	90	90	90	87
Northeast	1465	94	93	94	93	93	93	92
Northwest	813	94	93	94	93	94	91	90
Southeast	1717	90	90	90	90	90	89	86
South	2097	92	91	92	91	91	90	85
West	1415	93	92	93	93	93	90	85
Ireland	15128*	91	90	91	90	91	89	88**

na=not available at this time

*Number in cohort for MMR₁ vaccination = 9692

**Please note this figure is based on data from seven of the eight HSE-Areas

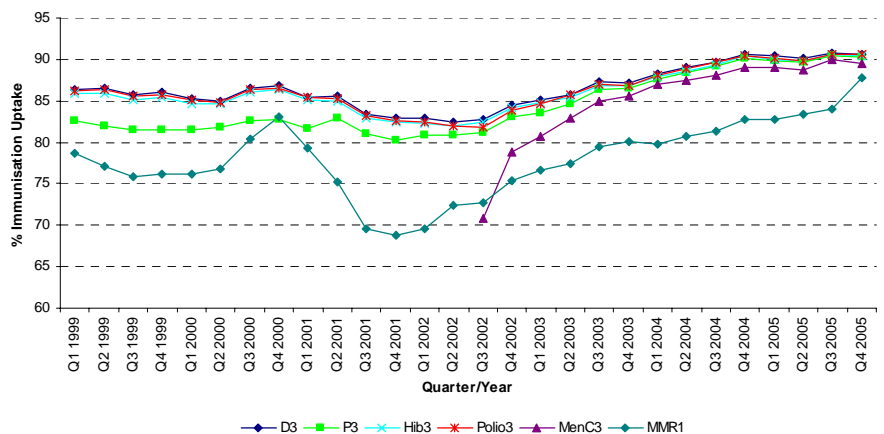


Figure 2. National quarterly immunisation uptake rates at 24 months
Please note MMR₁ uptake data was only available for seven of the eight HSE Areas in Quarter 4-2005.

Further information

Table 3 presents recent national quarterly immunisation uptake rates at 24 months from Q1-2003 to Q4-2005. A complete listing of national and regional immunisation uptake statistics at 12 and 24 months for each health board are available at the following URL:

<http://www.hpsc.ie/A-Z/VaccinePreventable/Vaccination/Publications/ImmunisationUptakeStatistics/>

Table 3. National quarterly immunisation uptake rates at 24 months

Quarter -Year	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃	MMR ₁
Q1-2003	85	84	85	85	85	81	77
Q2-2003	86	85	86	85	86	83	77
Q3-2003	87	86	87	87	87	85	80
Q4-2003	87	86	87	87	87	86	80
Q1-2004	88	88	88	88	88	87	80
Q2-2004	89	88	89	89	89	87	81
Q3-2004	90	89	90	89	90	88	81
Q4-2004	91	90	91	90	90	89	83
Q1-2005	90	90	90	90	90	89	83
Q2-2005	90	90	90	90	90	89	83
Q3-2005	91	90	91	91	91	90	84
Q4-2005	91	90	91	90	91	89	88*

* Please note this figure is based on data from seven of the eight HSE-Areas