

Summary

In Quarter 2-2005, national immunisation uptake rates of D₃, T₃, Hib₃ and Polio₃ in children 12 months of age remained unchanged from the previous quarter (84%). MenC₃ uptake was also unchanged from the previous quarter (83%). BCG and P₃ were exceptions, BCG increased by 2% while P₃ decreased by 1%. Uptake rates of 94% and 83% were reported, respectively.

At 24 months, national immunisation uptake rates remained unchanged from the previous quarter for all antigens. Uptake rates at 24 months for D₃, P₃, T₃, Hib₃ and Polio₃ were 90%. MenC₃ uptake was 89%. The uptake rate for MMR₁ was 83%, which was identical to the rate reported in Q1-2005.

Trends at 12 months

Figure 1 presents the national uptake rates at 12 months for each vaccine from Q3-2000 to Q2-2005. National uptake rates for all antigens at 12 months in Q2-2005 remained unchanged when compared to the previous quarter with the exceptions of BCG and P₃; BCG increased by 2% while P₃ decreased by 1%. HSE-E and HSE-W reported a decrease, of 1% and 2%, respectively, in uptake rates for all antigens at 12 months. HSE-S reported a 1-2% increase in all antigens. HSE-NE reported a 1% increase in all antigens except P₃, which remained unchanged from the previous quarter.

Internationally

Vaccination coverage statistics for children 12 months of age in Quarter 2-2005 were 95-96% in Northern Ireland and 91% for the United Kingdom as a whole¹.

Introduction

The immunisation uptake statistics presented in this report relate to children 12 and 24 months of age in Quarter 2-2005 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 01/04/2004 & 30/06/2004 and 01/04/2003 & 30/06/2003.

Immunisation uptake at 12 months

Immunisation uptake rates in children 12 months of age in Q2-2005 are presented (Table 1). National uptake rates for D₃, T₃, Hib₃, and Polio₃ were 84% while for P₃ and MenC₃ uptake rates were 83%. The highest uptake rates for these vaccines at 12 months were reported by the HSE-M (91%), while the lowest rates were reported in the HSE-ER (77-78%).

Quarter 2-2005 is the eighth-quarter where uptake statistics for BCG vaccination are presented. Data are available for five of the eight health boards (data from HSE-S relates to Kerry CCA only). These areas cover only a third of the Q2-2005 birth cohort. Where data were available, national uptake was 94% for the BCG vaccination. This represents a 2% increase on the figure reported in Q1-2005 (92%). The target rate of 95% uptake for BCG vaccine was reached in the HSE-MW and HSE-SE in Q2-2005.

Table 1. Immunisation uptake (%) at 12 months in cohort born 01/04/2004–30/06/2004

HSE Area	No. in cohort	BCG	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃
East	5610	na	78	78	78	78	78	77
Midland	949	91	91	91	91	91	91	91
Midwest	1273	95	86	86	86	86	86	86
Northeast	1551	na	90	89	90	90	90	89
Northwest	795	89	90	90	90	90	90	89
Southeast	1675	97*	87	86	87	87	87	86
South	2109	91†	85	85	85	85	85	85‡
West	1426	na	84	84	84	84	84	82
Ireland	15388**	94	84	83	84	84	84	83

na = not available at this time

*HSE-SE - number in cohort for BCG = 1628

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

‡HSE-S - number in cohort for MenC₃ = 2111

**Number in cohort for BCG vaccination = 5083; number in cohort for MenC₃ = 15390

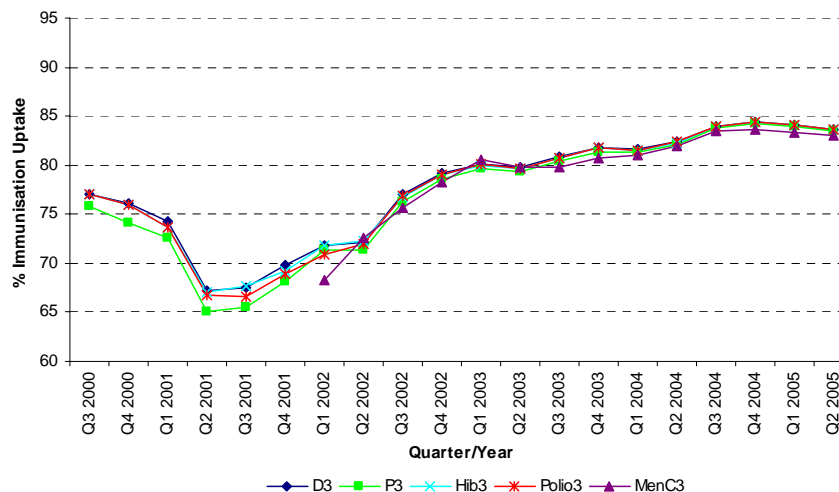


Figure 1. National quarterly immunisation uptake rates at 12 months

Immunisation uptake at 24 months

Immunisation uptake rates in children 24 months of age in Quarter 2-2005 are presented (Table 2). National uptake rates were 90% for D₃, P₃, T₃, Hib₃ and Polio₃, and 89% for MenC₃. Uptake rates for these vaccines ranged from 85-87% in the HSE-ER 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. Six of the eight HSE regions had over 90% uptake for all these antigens (with exception MenC₃ in HSE-W, uptake was 89%). MMR₁ uptake was 83% nationally, ranging from 78% in the HSE-E to 93% in the HSE-M (Table 2).

Trends at 24 months

Figure 2 presents the national uptake rates at 24 months for each vaccine component from Q1-1999 to Q2-2005. In Q2-2005, national uptake rates for each vaccine component at 24 months stayed the same when compared with the previous quarter.

MMR₁ uptake

In Q2-2005, the national MMR₁ uptake rate at 24 months was 83%, similar to the previous two quarters. MMR₁ uptake rates increased by 5% in the HSE-MW, 4% in the HSE-NE and 1-2% in the HSE-NW and HSE-W compared to the previous quarter. MMR₁ decreased in the HSE-E and HSE-SE by 1% and 2%, respectively. The uptake rate for MMR₁ remained unchanged in HSE-M and HSE-S. As in Q4-2004 and Q1-2005, the highest uptake rate for MMR₁ was recorded in the MHB (93%).

Internationally

In Q2-2005, vaccination coverage statistics at 24 months for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 96-97% in Northern Ireland and 93-94% for the United Kingdom as a whole.¹ MMR₁ uptake was 90% in Northern Ireland and 83% in the UK.¹

Conclusions

In Q2-2005, the national MMR₁ uptake was 83%, the same as that reported in Q1-2005. However, this still remains 12% below the national target rate of 95% uptake. Uptake rates for all other vaccines remain 5-6% below the national target rates.

Acknowledgements

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References

- COVER programme: April to June 2005. CDR Weekly 2005: 15(38). Available at: <http://www.hpa.org.uk/cdr/>

Table 2. Immunisation uptake (%) at 24 months in cohort born 01/04/2003 – 30/06/2003

HSE Area	No. in cohort	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃	MMR ₁
East	5726	87	87	87	87	87	85	78
Midland	977	96	96*	96	96	96	96	93*
Midwest	1292	90	89	90	89	89	89	85
Northeast	1516	93	92	93	92	92	92	88
Northwest	829	93	92	93	91	93	92	89
Southeast	1759	91	91	91	91	91	90	86
South	2112	91	91	91	91	91	90†	85†
West	1398	92	91	92	92	92	89	84
Ireland	15609‡	90	90	90	90	90	89	83

* HSE-M - number in cohort for P₃ = 976 and MMR₁ = 970

† HSE-S - number in cohort for MenC₃ = 2139 and MMR₁ = 2152

‡ Number in cohort for P₃, MenC₃ and MMR₁ = 15608, 15636 and 15642, respectively.

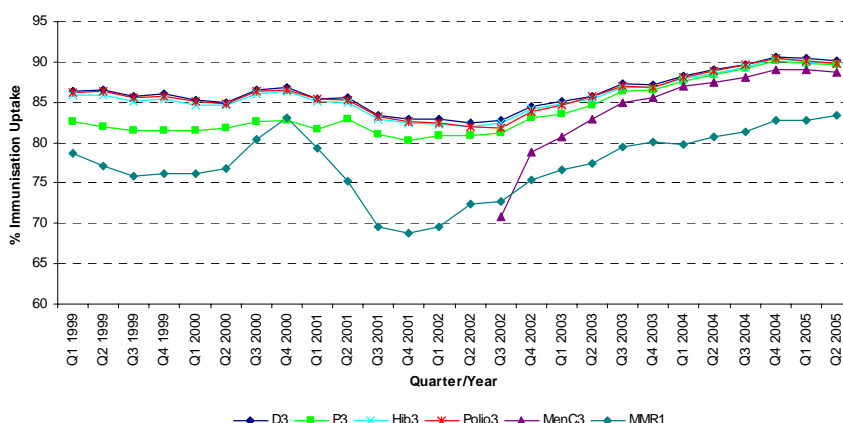


Figure 2. National quarterly immunisation uptake rates at 24 months

Further information

Table 3 presents recent national quarterly immunisation uptake rates at 24 months from Q1-2003 to Q2-2005. 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