

Summary

In Quarter 1-2005, national immunisation uptake rates in children 12 months of age remained unchanged from the previous quarter (84%). BCG and MenC₃ were exceptions, both decreased by 1%. Uptake rates of 92% and 83% were reported, respectively.

At 24 months, national uptake rates decreased by 1% for D₃, and T₃, when compared with the previous quarter. Uptake rates for P₃, Hib₃, Polio₃ MenC₃ and MMR₁ remained unchanged.

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%, unchanged since Q4-2004. Prior to Q4-2004 the last time that MMR₁ uptake reached this rate was in Q4-2000.

Trends at 12 months

Figure 1 presents the national uptake rates at 12 months for each vaccine from Q3-2000 to Q1-2005. National uptake rates for all antigens at 12 months in Q1-2005 remained unchanged when compared to the previous quarter with the exception of BCG and MenC₃, where uptake decreased by 1%. HSE-E reported a 2% decrease in uptake rates for all vaccines at 12 months. HSE-NE, HSE-NW, HSE-S, HSE-SE, and HSE-W reported a 1-2% increase. There was no change in uptake levels in HSE-M or HSE-MW.

Internationally

Vaccination coverage statistics for children 12 months of age in Quarter 1-2005 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 1-2005 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 01/01/2004 & 31/03/2004 and 01/01/2003 & 31/03/2003.

Immunisation uptake at 12 months

Immunisation uptake rates in children 12 months of age in Q1-2005 are presented (Table 1). National uptake rates for D₃, T₃, P₃, Hib₃, Polio₃ were 84% and for MenC₃ was 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 (79%).

Quarter 1-2005 is the seventh 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 Q1-2005 birth cohort. Where data were available, national uptake was 92% for the BCG vaccination. This is a 1% drop from the figure reported in Q4-2004. The target rate of 95% uptake was reached in the HSE-SE and HSE-MW in Q1-2005.

Table 1. Immunisation uptake (%) at 12 months in cohort born 01/01/2004–31/03/2004

HSE Area	No. in cohort	BCG	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃
East	5495	na	79	79	79	79	79	78
Midland	970	87	91	91	91	91	91	91
Midwest	1204	95	86	86	86	86	86	85
Northeast	1475	na	89	89	89	89	89	88
Northwest	812	91	90	89	90	89	90	89
Southeast	1694	95	87	87	87	87	87	87
South	2105	90 [†]	84	84	84	84	84	83*
West	1368	na	86	86	86	86	86	84
Ireland	15123[‡]	92	84	84	84	84	84	83

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

[‡]number in cohort for BCG vaccination = 5106

*HSE-S – number in cohort for MenC₃ = 2113

na = not available at this time

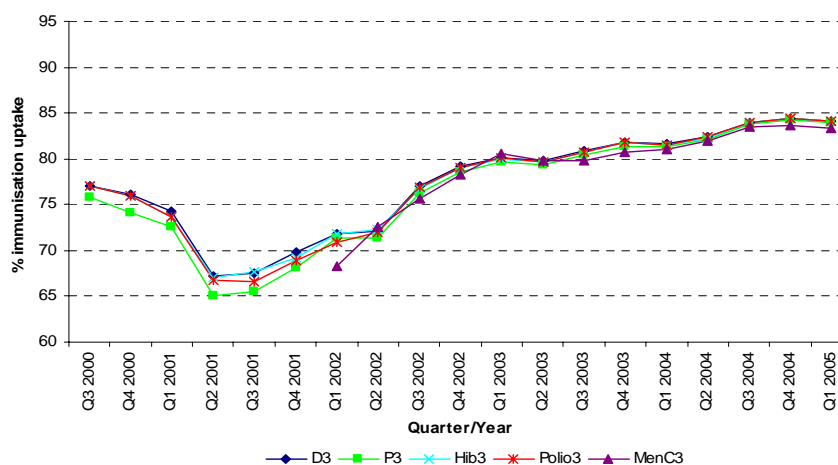


Figure 1. National quarterly immunisation uptake rates at 12 months

Immunisation uptake at 24 months

Immunisation uptake rates in children 24 months of age in Quarter 1-2005 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 86-88% in the HSE-ER to 95-97% in the HSE-M (Table 2). The target uptake rate of 95% was reached for D₃, T₃, Hib₃ and Polio₃ in the HSE-M. MMR₁ uptake was 83% nationally, ranging from 79% 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 Q1-2005. In Q1-2005, national uptake rates for P₃, Hib₃, Polio₃, MenC₃, and MMR₁ at 24 months stayed the same when compared with the previous quarter. A one percent decrease in uptake for D₃, T₃ was reported nationally.

MMR₁ uptake

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

Internationally

In Q1-2005, 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 89% in Northern Ireland and 82% in the UK.¹

Conclusions

In Q1-2005, the national MMR₁ uptake was 83%, the same as that reported in Q4-2004. 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

1. COVER programme: January to March 2005. CDR Weekly 2005: 15(25). Available at: <http://www.hpa.org.uk/cdr/>

Table 2. Immunisation uptake (%) at 24 months in cohort born 01/01/2003 – 31/03/2003

HSE Area	No. in cohort	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃	MMR ₁
East	5282	88	88	88	88	88	86	79
Midland	898	96	95	96	96	96	97	93
Midwest	1246	88	88	88	88	89	88	80
Northeast	1487	92	92	92	92	92	91	84
Northwest	756	93	93	93	92	93	91	88
Southeast	1644	92	91	92	91	91	91	88
South	2028	91	91	91	91	91	90	85
West	1327	90	90	90	90	90	88	82
Ireland	14668	90	90	90	90	90	89	83

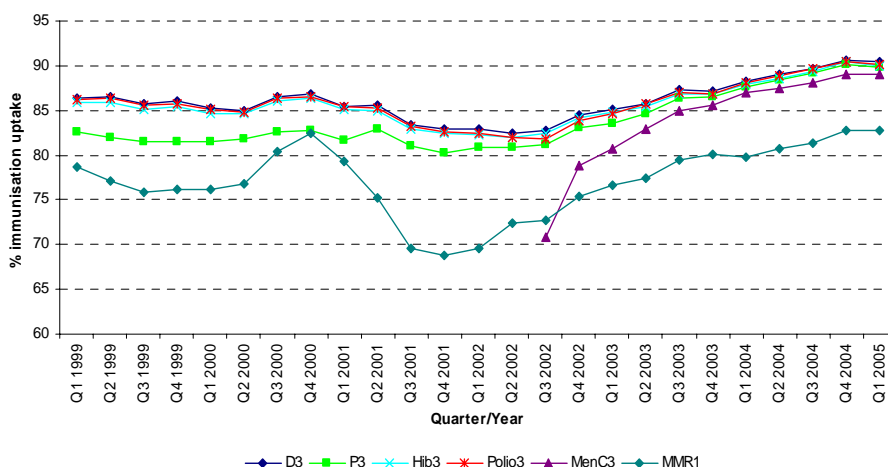


Figure 2. National quarterly immunisation uptake rates at 24 months

Further information

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

www.ndsc.ie/Publications/Immunisation/LatestImmunisationUptakeStatistics/

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