

Summary

In Quarter 3-2006, national immunisation uptake rates of D₃, P₃, T₃, Hib₃ and Polio₃ in children 12 months of age were unchanged compared to the previous quarter (86%). MenC₃ was 85% in Q3-2006, this is a decrease of 1% compared to Q2-2006. Uptake of BCG was 92% in Q3-2006, unchanged from the previous quarter.

National immunisation uptake rates at 24 months, in Q3-2006, for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 91%. Uptake rates for D₃, T₃ and Polio₃ remained unchanged when compared with the previous quarter while P₃, Hib₃ and MenC₃ uptake increased by 1%.

In Q3-2006, the national immunisation uptake rate at 24 months for MMR₁ was 86%, unchanged from Q2-2006.

Trends at 12 months

Figure 1 presents the national uptake rates at 12 months for each vaccine from Q3-2000 to Q3-2006. In Q3-2006 national uptake rates for D₃, P₃, T₃, Hib₃ and Polio₃ were unchanged when compared to the previous quarter. MenC₃ decreased by 1% compared to Q2-2006.

The HSE-North Eastern Area reported an increase of 2% in uptake rates for all antigens, except MenC₃, at 12 months compared to Q2-2006. The HSE-Western Area reported a decrease of 2% in uptake rates for all antigens at 12 months compared to Q2-2006.

Internationally

Vaccination coverage statistics for children 12 months of age in Quarter 3-2006 were 91% in England, 95-96% in Wales, 96% in Northern Ireland and 97-98% in Scotland.¹

Introduction

The immunisation uptake statistics presented in this report relate to children 12 and 24 months of age in Quarter 3-2006 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 01/07/2005 & 30/09/2005 and 01/07/2004 & 30/09/2004.

Immunisation uptake at 12 months

Immunisation uptake rates in children 12 months of age in Q3-2006 are presented (Table 1). National uptake rates for D₃, P₃, T₃, Hib₃ and Polio₃ were 86%. The national uptake rate for MenC₃ was 85%. In Q3-2006 the highest uptake rates for these vaccines at 12 months were in the HSE-Midland Area (92%) and in the HSE-North Western Area (91-92%) while the lowest rates were in the HSE-Eastern Area (82%). BCG uptake data were available for five of the eight HSE-Areas (data from HSE-Southern Area relates to Kerry CCA only). These areas cover only a third of the national birth cohort. Where data were available, national uptake was 92% for the BCG vaccination. This is unchanged compared to Q2-2006 when BCG uptake was also 92%.

Table 1. Immunisation uptake (%) at 12 months in cohort born 01/07/2005–30/09/2005

HSE Area	No. in cohort	BCG	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃
Eastern	5987	na	82	82	82	82	82	82
Midland	1009	94	92	92	92	92	92	92
Mid Western	1379	92	88	88	88	88	88	88
North Eastern	1739	na	89	89	89	89	89	86
North Western	854	93	92	91	92	91	91	91
South Eastern	1809	92	86	86	86	86	86	85
Southern	2339	87 [†]	87	87	87	87	87	86
Western	1521	na	87	87	87	87	87	86
Ireland	16637**	92	86	86	86	86	86	85

na = not available at this time

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

** Number in cohort for BCG vaccination = 5,537

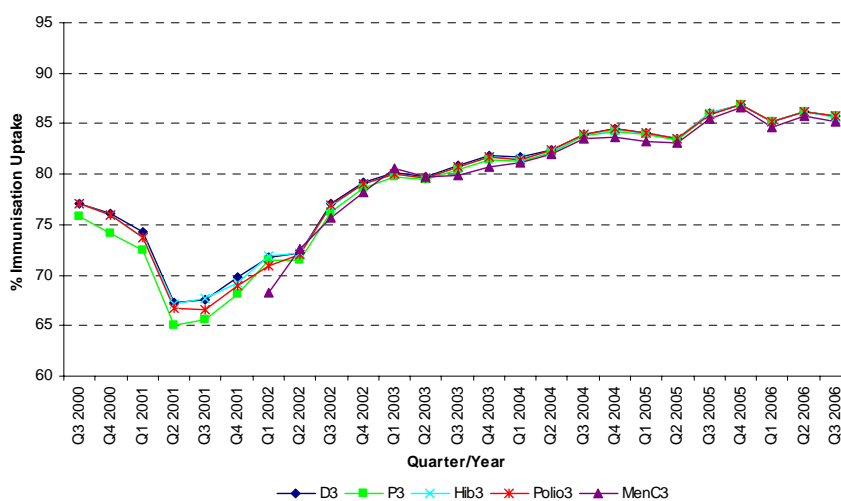


Figure 1. National quarterly immunisation uptake rates at 12 months

Immunisation uptake at 24 months

Immunisation uptake rates in children 24 months of age in Quarter 3-2006 are presented (Table 2). National uptake rates were 91% for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃. Uptake rates for these vaccines ranged from 88-89% in the HSE-Eastern Area to 97% in the HSE-Midland Area (Table 2). The target uptake rate of 95% was reached for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ in the HSE-Midland Area. MMR₁ uptake was 86% nationally, ranging from 82% in the HSE-Eastern Area to 94% in the HSE-Midland Area (Table 2).

Trends at 24 months

Figure 2 presents the national uptake rates at 24 months for each antigen from Q1-1999 to Q3-2006. In Q3-2006, national uptake rates for D₃, T₃ and Polio₃ remained unchanged when compared with the previous quarter. P₃, Hib₃ and MenC₃ uptake increased by 1% compared to the previous quarter. Uptake of all antigens increased by 2% in the HSE-Midland Area compared to the previous quarter.

MMR₁ uptake

In Q3-2006, the national MMR₁ uptake rate at 24 months was 86%, unchanged from the previous quarter. Compared to Q2-2006 MMR₁ uptake rates increased by 3% in the HSE-Mid-Western Area and by 1% in the HSE-Midland, North Eastern and South Eastern Areas. The uptake rate for MMR₁ decreased by 2% in the HSE-Western Area and by 1% in the HSE-North Western and Southern Areas compared to Q2-2006. The uptake rate was unchanged in the HSE-Eastern Area compared to the previous quarter. The target uptake rate of 95% for MMR₁ was not reached in any of the areas.

Internationally

In Q3-2006, vaccination coverage statistics at 24 months for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ were 93-94% in England, 96-97% in Wales, 97% in Northern Ireland and 97-98% in Scotland.¹ MMR₁ uptake was 85% in England, 88% in Wales, 91% in Northern Ireland and 92% in Scotland.

Conclusions

In Q3-2006, the national MMR₁ uptake was 86%, this is 9% below the national target rate of 95% uptake. Uptake rates for all other vaccines at 24 months were 4% below the national target rates.

Acknowledgements

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References

1. COVER programme: July to September 2006. CDR Weekly 2006: 16(51). Available at: <http://www.hpa.org.uk/cdr/>

Table 2. Immunisation uptake (%) at 24 months in cohort born 01/07/2004 – 30/09/2004

HSE Area	No. in cohort	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃	MMR ₁
Eastern	5890	89	88	89	89	88	88	82
Midland	1068	97	97	97	97	97	97	94
Mid Western	1361	91	91	91	91	92	92	89
North Eastern	1697	92	92	92	92	92	92	89
North Western	817	94	94	94	94	94	92	90
South Eastern	1820	91	90	91	90	90	90	88
Southern	2175	94	94	94	94	94	94	88
Western	1518	93	93	93	93	93	91	85
Ireland	16346	91	91	91	91	91	91	86

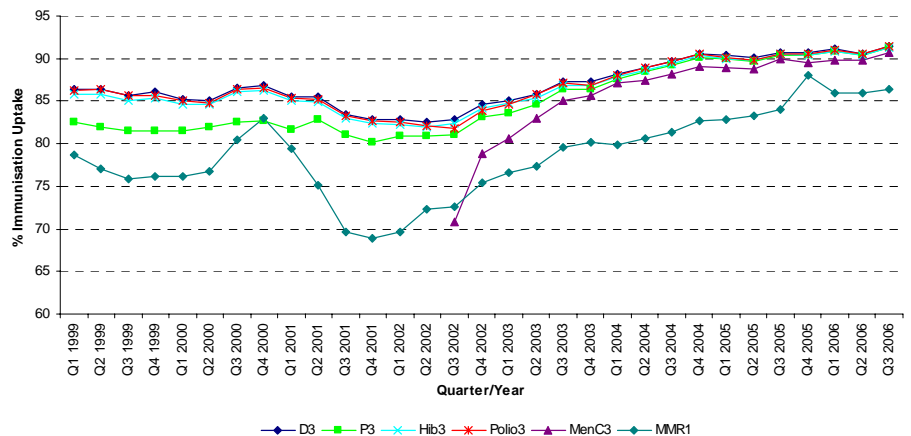


Figure 2. National quarterly immunisation uptake rates at 24 months

Please note The Q4-2005 MMR₁ figure is based on data from seven of the eight HSE-Areas as the HSE-Eastern Area were unable to provide MMR₁ uptake data. The Q1-2006 figure includes the HSE-Eastern Area MMR₁ figure which is an estimate only

Further information

Table 3 presents recent national quarterly immunisation uptake rates at 24 months from Q1-2003 to Q3-2006. A complete listing of national and regional immunisation uptake statistics at 12 and 24 months for each HSE Area are available at the following URL:

<http://www.ndsc.ie/hpsc/A-Z/VaccinePreventable/Vaccination/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*
Q1-2006	91	91	91	91	91	90	86**
Q2-2006	91	90	91	90	91	90	86
Q3-2006	91	91	91	91	91	91	86

* This figure is based on data from seven of the eight HSE-Areas as the HSE-Eastern Area were unable to provide MMR₁ uptake data in Q4-2005

** This figure includes the HSE-Eastern MMR₁ Q1-2006 uptake figure, which is an estimate only