

Summary

In Quarter 2-2008, national immunisation uptake rates, in children 12 months of age were 88% for D₃, P₃, T₃, Hib₃ and Polio₃ and 87% for MenC₃. When compared to the previous quarter uptake of D₃, P₃, T₃, Hib₃ and Polio₃ increased by 1% while uptake of MenC₃ was unchanged.

In Q2-2008, national immunisation uptake rates in children 24 months of age were 93% for D₃, P₃, T₃, Hib₃ and Polio₃, 92% for MenC₃ and 82% for the Hib booster. When compared to the previous quarter uptake of D₃, P₃, T₃, Hib₃ and Polio₃ increased by 1% while uptake of MenC₃ was unchanged. In Q2-2008, the target uptake rate of 95% was reached or exceeded in the HSE-Midland and North Eastern Areas for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ and in the HSE-North Western Area for D₃, P₃, T₃, Hib₃, Hib_b and Polio₃. All eight HSE Areas had uptake of ≥90% for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ in Q2-2008.

In Q2-2008, the national immunisation uptake rate at 24 months for MMR₁ was 89%, an increase of 1% when compared to the previous quarter.

Trends at 12 months

Figure 1 presents the national uptake rates at 12 months for each vaccine from Q3-2000 to Q2-2008. In Q2-2008 national uptake rates for D₃, P₃, T₃, Hib₃ and Polio₃ increased by 1% when compared to the previous quarter while MenC₃ was unchanged.

In Q2-2008, the HSE-Eastern Area and North Eastern Area reported increases of 1-2% for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃, in children 12 months of age, when compared to the previous quarter.

Internationally

Vaccination coverage statistics for D₃, P₃, T₃, Hib₃ and Polio₃ for children 12 months of age in Quarter 2-2008 were 90.7% in England, 94.9% in Wales, 96.5% in Northern Ireland and 96.7-96.8% in Scotland.¹ MenC₂ uptake was 90.0% in England, 94.6% in Wales, 96.4% in Northern Ireland and 96.7% in Scotland.¹ Please see HPA report for caveats to data.¹

Introduction

The immunisation uptake statistics presented in this report relate to children 12 and 24 months of age in Quarter 2-2008 and who have received three doses of vaccines against diphtheria (D₃), pertussis (P₃), tetanus (T₃), *Haemophilus influenzae* type b (Hib₃), polio (Polio₃) and meningococcal group C (MenC₃), one booster dose of vaccine against *Haemophilus influenzae* type b after 12 months of age (Hib_b; uptake at 24 months only), 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 01/04/2007 & 30/06/2007 and 01/04/2006 & 30/06/2006.

Immunisation uptake at 12 months

Immunisation uptake rates in children 12 months of age in Q2-2008 are presented (Table 1). National uptake rates were 88% for D₃, P₃, T₃, Hib₃ and Polio₃ and 87% for MenC₃. The highest uptake rates for these vaccines at 12 months were in the HSE-Midland Area (93%) while the lowest rates were in the HSE-Southern Area (84%). BCG uptake data were available for five of the eight HSE-Areas (data from HSE-Southern Area relates to Kerry only). These areas cover approximately a third of the national birth cohort. Where data were available, national uptake was 93% for the BCG vaccination. This is a decrease of one percent compared to Q1-2008 when BCG uptake was 94%.

Table 1. Immunisation uptake (%) at 12 months in cohort born 01/04/2007–30/06/2007

HSE Area	No. in cohort*	BCG	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MenC ₃
Eastern	6423	na	88	88	88	88	88	87
Midland	1096	94	93	93	93	93	93	93
Mid Western	1490	95	89	89	89	89	89	88
North Eastern	1985	na	90	90	90	90	90	88
North Western	950	93	92	92	92	92	92	91
South Eastern	1987	92	87	87	87	87	88	87
Southern	2539	92 [†]	84	84	84	84	84	84
Western	1696	na	87	87	87	87	87	87
Ireland	18166 [‡]	93	88	88	88	88	88	87

na = not available at this time

*As the denominator/number in cohort varied slightly according to vaccine, most commonly used number is presented here.

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

[‡] Number in cohort for BCG vaccination = 5,997

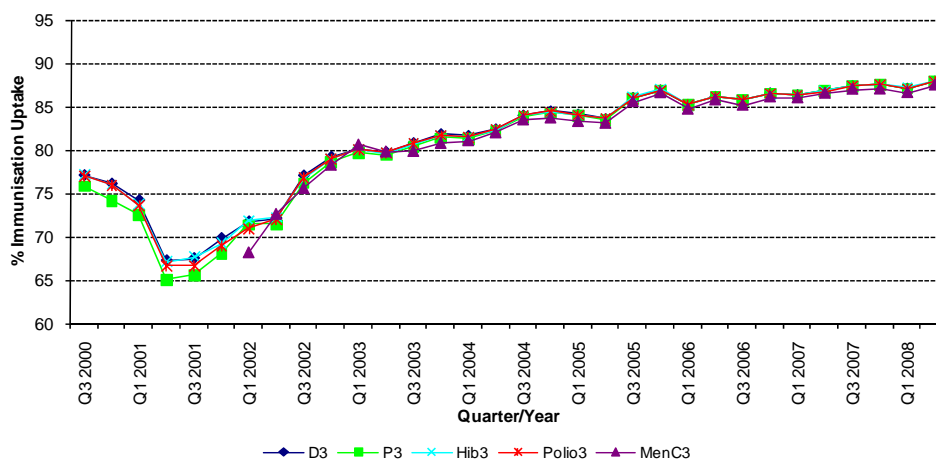


Figure 1. National quarterly immunisation uptake rates at 12 months
Since T₃ uptake identical to D₃ uptake only D₃ uptake figures presented

Immunisation uptake at 24 months

Immunisation uptake rates in children 24 months of age in Q2-2008 are presented (Table 2). National uptake rates were 93% for D₃, P₃, T₃, Hib₃ and Polio₃ and 92% for MenC₃. All eight HSE Areas had uptake of 90% or greater for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃. The target uptake rate of 95% was reached and/or exceeded in the HSE-Midland and North Eastern Areas for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ and in the HSE-North Western Area for D₃, P₃, T₃, Hib₃ and Polio₃. MMR₁ uptake was 89% nationally, ranging from 86% in the HSE- South Eastern Area to 94% in the HSE-Midland Area (Table 2). Uptake statistics for the Hib booster were available for seven of the eight HSE-Areas in Q2-2008, where data were available the national uptake rate was 82%.

D₃, P₃, T₃, Hib₃, Polio₃ & MenC₃ trends

Figure 2 presents the national uptake rates at 24 months for each vaccine from Q1-1999 to Q2-2008. In Q2-2008, national uptake rates for D₃, P₃, T₃, Hib₃ and Polio₃ increased by 1% when compared to the previous quarter while MenC₃ was unchanged.

In Q2-2008 uptake rates for D₃, P₃, T₃, Hib₃, Polio₃ and MenC₃ increased by 2% in the HSE South Eastern Area, by 1-2% in the HSE North Eastern Area and by 1% in the HSE Eastern, Midland and Western Areas, compared to the previous quarter. Compared to Q1-2008 uptake rates for these vaccines in Q2-2008 in the HSE Mid Western and Southern Areas were unchanged while they decreased by 1-2% in the HSE-North Western Area.

Hib booster uptake

Following the national Hib campaign from November 2005 to May 2006, among children less than four years of age, a Hib booster (Hib_b) was introduced into the routine childhood immunisation schedule.

Q2-2008 is the sixth quarter where uptake statistics for Hib_b are available. These figures relate to children who received a dose of Hib after 12 months of age.

Uptake statistics for the Hib booster were available for seven of the eight HSE-Areas in Q2-2008, where data were available the national uptake rate was 82% (Figure 2). Data were available from all eight HSE-Areas in Q1-2008 when uptake was 78%.

MMR₁ uptake

In Q2-2008, the national MMR₁ uptake rate at 24 months was 89%, an increase of 1% compared to the previous quarter.

When compared to Q1-2008 the MMR₁ uptake rate increased by 2% in the HSE-Southern Area and by 1% in the HSE-Eastern and Western Areas. The MMR₁ uptake rate decreased by 1% in the HSE-Mid Western Area and was unchanged in the remaining HSE Areas compared to the previous quarter.

References

1. COVER programme: January to March 2008. Health Protection Report 2008: 2 (26). Available at: <http://www.hpa.org.uk/hpr> and http://www.isdscotland.org/isd/ch-immunisation/isp?nContentID=1987&n_applic=CCC&n_service=Content%20show&

Table 2. Immunisation uptake (%) at 24 months in cohort born 01/04/2006 – 30/06/2006

HSE Area	No. in Cohort*	D ₃	P ₃	T ₃	Hib ₃	Hib _b	Polio ₃	MenC ₃	MMR ₁
Eastern	5757	92	92	92	92	75	92	91	87
Midland	1119	97	97	97	97	87	97	97	94
Mid Western	1364	93	93	93	93	88	93	93	91
North Eastern	1776	95	95	95	95	89	95	95	90
North Western	877	96	96	96	96	94	96	93	93
South Eastern	1887	91	91	91	91	na	91	90	86
Southern	2317	93	93	93	93	82	93	93	89
Western	1542	93	93	93	93	82	93	93	87
Ireland	16639†	93	93	93	93	82‡	93	92	89

* As the denominator/number in cohort varied slightly according to vaccine, most commonly used number is presented here.

† Number in cohort for Hib_b vaccination = 14,755. ‡ Hib_b figure based on data from seven HSE Areas.

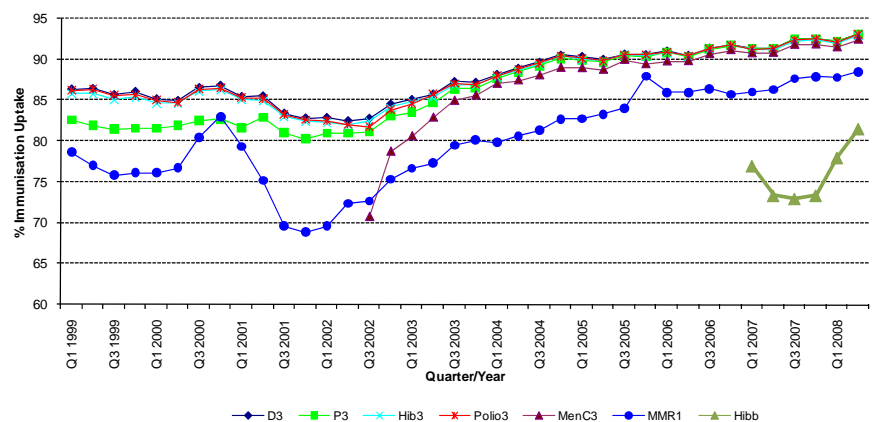


Figure 2. National quarterly immunisation uptake rates at 24 months

Note 1 The Q4-2005 MMR₁ figure is based on data from seven of the eight HSE-Areas. The Q1-2006 MMR₁ figure includes the HSE-Eastern Area figure that is an estimate only.

Note 2 The Q1, Q3-2007 and Q2-2008 Hib_b figures are based on data from seven of the eight HSE Areas. In Q1-2008 the HSE-SE changed their Hib_b data extraction method compared to previous quarters; in Q1-2008 the uptake of Hib_b in the HSE-SE was 83% compared to 53% in Q4-2007.

Internationally

In Q2-2008, vaccination coverage statistics at 24 months for D₃, P₃, T₃, Hib₃ and Polio₃ were 93.6% in England, 96.9% in Wales, 97.8% in Northern Ireland and 97.8-98.3% in Scotland.¹ Infant MenC uptake was 90.9% in England, 95.7% in Wales, 96.7% in Northern Ireland and 96.8% in Scotland.¹ MMR₁ uptake was 82.4% in England, 86.4% in Wales, 88.8% in Northern Ireland and 91.7% in Scotland.¹ Please see HPA report for caveats to data.¹

Conclusions

In Q2-2008, the national MMR₁ uptake was 6% below the target rate of 95%. The uptake rate for Hib_b was 13% below the target rate. Uptake rates for all other vaccines at 24 months were 2-3% below the target rates.

Further information

The Q2-2008 immunisation uptake statistics by Local Health Office (LHO) are also presented in a separate summary document, available at <http://www.hpsc.ie>. A complete listing of national and regional immunisation uptake statistics at 12 and 24 months for each HSE Area is also available at <http://www.hpsc.ie>.

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